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CONCEPTS FOR EARTH RESOURCES, APPENDIXES
Final Report (Systems Control, Inc., Palo
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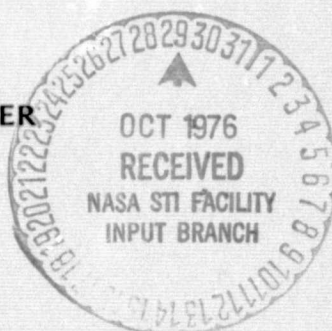
USER DATA DISSEMINATION CONCEPTS FOR EARTH RESOURCES

FINAL REPORT APPENDIXES

Contract NAS2-8964

Prepared for:

NASA, AMES RESEARCH CENTER

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APPENDIX A
SPECTRAL BAND RECOMMENDATIONS

This Appendix presents a summary of the recommendations for spectral band location from six studies and for six disciplines. The studies are listed across the top of each table and the recommended spectral bands are listed in order of increasing wavelength. The referenced studies are:

1. General Electric, TERSSE Study - November, 1974
2. Operations Research, Data Origination and Flow for Advanced Earth-Sensing Satellites in 1985 and Beyond - June, 1975
3. NASA, Advanced Scanners and Imaging Systems for Earth Observations - December, 1972
4. ERIM, Multispectral Scanners Data Applications - December, 1974
5. NASA - Earth Observation Satellite Payload Discussion Group
6. NASA - Synchronous Earth Observation Satellite

Table A-1
 Summary - Spectral Band Recommendations (microns)
 Marine Application

G.E. TERSSE	ADVANCED SCANNERS	ORI STUDY	ERIM MSS APPLICATIONS	SEOS	EOS PDG
	.35-.39	N O D A T A	.32-39		N O D A T A
	.35-.4				
	.36-.38				
	.39-.42				
.4-.5					
.4-1.0					
	.4-.42				
	.42-.44		.42-.48	.42-.46	
	.43-.45				
	.44-.47				
	.45-.52				
	.47-.5				
			.48-.52		
.5-.54	.5-.52				
.5-.58	.5-.53		.5-.54		
	.52-.58		.52-.58		
	.53-.55			.53-.57	
.54-.60					
.54-.64					
	.55-.57				
	.55-.58			.55-.60	
	.58-.62				
	.58-.65		.58-.64		
.6-.7				.60-.65	
	.62-.67				
.64-.7	.65-.7			.65-.69	
	.67-.7				
	.68-.7				
	.74-.82				
	.79-.81				
1.5-1.8			.8-1.1		
9.5-11.5			10.4-12.5	10.3-11.3	
	11.			11.3-12.0	
	11.-12.75			12.0-12.9	

Table A-2
 Summary - Spectral Band Recommendations (microns)
 Geology Energy/Minerals Application

G.E. TERSSE	ADVANCED SCANNERS	ORI STUDY	ERIM MSS APPLICATIONS	SEOS	EOS PDG
.32-.38			.34-.4		
.4-.45			.4-.44		
.4-.5				.4-.5	
.4-.55					
.45-.5			.45-.5		
		.45-.55			.45-.55
.5-.55					
.5-.6	.52-.62				
	.52-.64		.52-.56	.52-.56	
.55-.6					.55-.65
.55-.7					
			.57-.63		
.6-.65					
.6-.7	.62-.68				

Table A-3
Summary - Spectral Band Recommendations (microns)
Agriculture Application

G.E. TERSSE	ADVANCED SCANNERS	ORI STUDY	ERIM MSS APPLICATIONS	SEOS	EOS PDG
.51-.55	.4-.44 .5-.6			.52-.56	.52-.58
	.55-.58		.55-.60	.57-.59 .59-.62	
.62-.66	.6-.7			.62-.68	.63-.68
	.66-.7	.65-.70	.63-.69	.69-.75	
	.70-.74 .70-.8				.74-.79
.8-1.0	.8-1.1	.75-.95			.8-1.0
1.5-1/8	1.5-1.8	1.4-1.8	1.55-1.75		1.55-1/75
1.8-2.6					
2.0-2.6	2.0-2.6	2.0-2.4		2.0-2.3	2.05-2.35
9.5-11.5				8.3-9.3	
10.5-11.5			10.4-12.5	10.5-12.5	10.3-12.6
	8.-14	8.-13			

Table A-4
Summary - Spectral Band Recommendations (microns)
Water Application

G.E. TERSSE	ADVANCED SCANNERS	ORI STUDY	ERIM MSS APPLICATIONS	SEOS	EOS PDG
.32-.38 .35-.43 .4-.48 .4-.5		N O D A T A	.32-.38		
.43-.52 .48-.53 .5-.54 .5-.6 .5-.63 .52-.59 .53-.58 .54-.64			.42-.48 .48-.52 .5-.54		.5-.6
	.52-.62		.52-.58	.53-.57	
.58-.65 .59-.68 .6-.7	.58-.66		.58-.64	.56-.60	
				.60-.65	.6-.7
.64-.7 .65-.72 .68-.75 .7-1.1 .72-.8 .75-.83 .75-.88	.62-.68		.62-.68		
	.68-.76 .7-.75		.69-.74	.7-.73	
.8-.9 .8-1.0 .8-1.1 .83-.92 .88-1.0 .92-1.0 1.0-1.4 1.5-1.8 2.0-2.6 4.5-5.5 8.0-11.0 8.0-14.0 9.5-11.5	.78-1.2				
	.8-1.2		.8-1.1		.8-1.1
11.0-14.0			10.4-12.5	10.5-12.5	10.4-12.6

Table A-5
 Summary - Spectral Band Recommendations (microns)
 Land Application

G.E. TERSSE	ADVANCED SCANNERS	ORI STUDY	ERIM MSS APPLICATIONS	SEOS	EOS PDG
.4-.5	.4-.44	N		N	N
.4-.52		O		O	O
.4-.55		D		D	D
.5-.6	.5-.6	A	.42-.48	A	A
.51-.55		T	.5-.54	T	T
.52-.64		A		A	A
.55-.7	.55-.58				
.6-.7	.6-.7		.58-.64		
.62-.66					
.64-.76			.63-.69		
.7-.8	.66-.7				
.7-.85	.7-.74				
.76-.88	.7-.8				
.8-.9					
.8-1.0	.8-1.1		.8-1.1		
.85-1.0					
.9-1.0					
.9-1.1					
1.5-1.8	1.5-1.8				
2.0-2.6	2.0-2.6		2.0-2.6		
8.-11.0					
8.-14	8-14				
9.5-11.5					
11.0-14.0			10.4-12.5		

Table A-6
 Summary - Spectral Band Recommendations (microns)
 Forestry Application

G.E. TERSSE	ADVANCED SCANNERS	ORI STUDY	ERIM MSS APPLICATIONS	SEOS	EOS PDG
.5-.63	.4-44 .5-.6			.52-.56	.56-.58
.53-.58	.55-.58	.55-.6	.55-.6		
.6-.7	.6-.7			.62-.68	.63-.68
.63-.75 .64-.69	.66-.7		.63-.69		
	.7-.74 .7-.8	.7-.75		.69-.75	
.72-.76					.74-.79
.75-.88			.75-.95		.8-1.0
.8-1.0 .8-1.1 .88-1.0 1.0-1.4	.8-1.1				
1.5-1.8	1.5-1.8	1.2-1.8			
2.0-2.6	2.0-2.6	2.0-2.8	1.55-1.75	2.0-2.3	1.55-1.75
4.5-5.5 8-14	8-14				2.05-2.35
			10.4-12.5	8.3-9.3 10.5-12.5	10.3-12.6

APPENDIX B
DATA VOLUMES FOR CORPS OF ENGINEERS
DISTRICTS - FOUR DAYS

The purpose of this Appendix is; (1) to demonstrate the number of LANDSAT scenes required for each Corps of Engineers district for a LANDSAT satellite of 18-day repeat cycle, and (2) to compare the data volume associated with scene transmission with the data volume based on length-of-swath estimates for each district. Data loads were calculated for 4 days only.

To obtain the required scenes, a LANDSAT A&B coverage map keyed to the LANDSAT Worldwide Reference System (prepared by the EROS Data Center, U.S. Geological Survey) was used. This map identifies the centers of the scenes for each satellite pass (ground-track path). The Corps of Engineer district boundaries (obtained from a map entitled "Corps of Engineers Division & District Boundaries for River & Harbor and Flood Control") were then superimposed on the LANDSAT coverage map. Based on this composite map, the number of scenes per pass per district per day were then counted.

The LANDSAT A&B orbit is such that a ground track will repeat itself every eighteenth day. Therefore, the satellite passes that occur each day can be determined by selecting each 18th pass as identified on the coverage map. As an example, if the first pass on DAY 1 is pass 11, then the next pass for that day will be pass 29, etc. For each successive day, the coverage is displaced by one pass; i.e., on DAY 2 the first pass will be pass 12, then pass 30, etc.

The following data presents the coverage for each day of the 18-day coverage cycle. The number of scenes that are downlinked each pass are identified as well as the total downlink scenes for each day. The districts that are covered by each pass are tabulated along with the number of scenes of coverage per district. It should be noted that the same scene may be required by two adjacent districts; therefore, a summation of the number of scenes required by the districts may be greater than the number of actual downlink scenes.

DAY 1

DISTRICT	SCENE ESTIMATE*	DATA VOLUME**		LENGTH ESTIMATE	DATA VOLUME**	
		10m	30m		10m	30m
BOSTON	(11, 2)	6.86×10^8	7.62×10^7	70	2.401×10^8	2.667×10^7
ST. PAUL	(29, 5)	1.715×10^9	1.905×10^8	300	1.029×10^9	1.143×10^8
ROCK ISLAND	(29, 2)	6.86×10^8	7.62×10^7	120	4.116×10^8	4.572×10^7
KANSAS CITY	(29, 4)	1.372×10^9	1.524×10^8	210	7.203×10^8	8.001×10^7
TULSA	(29, 5)	1.715×10^9	1.905×10^8	270	9.261×10^8	1.0287×10^8
FORT WORTH	(29, 6)	2.058×10^9	2.286×10^8	430	1.4749×10^9	1.6383×10^8
SEATTLE	(47, 2)	6.86×10^8	7.62×10^7	120	4.116×10^8	4.572×10^7
WALLA WALLA	(47, 5)	1.715×10^9	1.905×10^8	210	7.203×10^8	8.001×10^7
SACRAMENTO	(47, 4)	1.372×10^9	1.524×10^8	280	9.604×10^8	1.0668×10^6
SAN FRANCISCO	(47, 4)	1.372×10^9	1.524×10^8	90	3.087×10^8	3.429×10^7
LOS ANGELES	(47, 1)	3.43×10^8	3.81×10^7	25	8.575×10^7	9.525×10^6
TOTALS		1.37×10^{10}	1.52×10^9		7.29×10^9	8.09×10^8

Percentage length to scene volumes: 30m 53.1%; 10m 53.1%

*(X, Y): X = Swath number; Y = Number of scenes in swath.

** All data volumes calculated in pixels.

DAY 2

DISTRICT	SCENE ESTIMATE*	DATA VOLUME**		LENGTH ESTIMATE	DATA VOLUME**	
		10m	30m		10m	30m
BOSTON	(12, 5)	1.715×10^9	1.905×10^8	230	7.889×10^8	8.763×10^7
PROVIDENCE	(12, 1)	3.43×10^8	3.81×10^7	30	1.029×10^8	1.143×10^7
ST. PAUL	(30, 5)	1.715×10^9	1.905×10^8	300	1.029×10^9	1.143×10^8
ROCK ISLAND	(30, 2)	6.86×10^8	7.62×10^7	25	8.575×10^7	9.525×10^6
OMAHA	(30, 3)	1.029×10^9	1.143×10^8	190	6.517×10^8	7.239×10^7
KANSAS CITY	(30, 3)	1.029×10^9	1.143×10^8	110	3.773×10^8	4.191×10^7
TULSA	(30, 5)	1.715×10^9	1.905×10^8	310	1.0633×10^9	1.1811×10^8
FORT WORTH	(30, 6)	2.058×10^9	2.286×10^8	340	1.1662×10^9	1.2954×10^8
SEATTLE	(48, 3)	1.029×10^9	1.143×10^8	180	6.174×10^8	6.858×10^7
WALLA WALLA	(48, 3)	1.029×10^9	1.143×10^8	120	4.116×10^8	4.572×10^7
PORTLAND	(48, 4)	1.372×10^9	1.524×10^8	140	4.802×10^8	5.334×10^7
SAN FRANCISCO	(48, 5)	1.715×10^9	1.905×10^8	210	7.203×10^8	8.001×10^7
SACRAMENTO	(48, 4)	1.372×10^9	1.524×10^8	160	5.488×10^8	6.096×10^7
TOTALS		1.68×10^{10}	1.87×10^9		8.04×10^9	8.934×10^8

Percentage length to scene volumes: 30m 47.77%; 10m 47.9%

*(X, Y): X = Swath number; Y = Number of scenes in swath.

** All data volumes calculated in pixels.

DAY 3

DISTRICT	SCENE ESTIMATE*	DATA VOLUME**		LENGTH ESTIMATE	DATA VOLUME**	
		10m	30m		10m	30m
BOSTON	(13, 5)	1.715×10^9	1.905×10^8	330	1.1319×10^9	1.2573×10^8
PROVIDENCE	(13, 4)	1.372×10^9	1.524×10^8	70	2.401×10^8	2.667×10^7
NEW YORK	(13, 2)	6.86×10^8	7.62×10^7	25	8.575×10^7	9.525×10^6
ST. PAUL	(31, 4)	1.372×10^9	1.524×10^8	280	9.604×10^8	1.0668×10^8
ROCK ISLAND	(31, 2)	6.86×10^8	7.62×10^7	25	8.575×10^7	9.525×10^6
OMAHA	(31, 4)	1.372×10^9	1.524×10^8	190	6.517×10^8	7.239×10^7
KANSAS CITY	(31, 3)	1.029×10^9	1.143×10^8	150	5.145×10^8	5.715×10^7
ALBUQUERQUE	(31, 4)	1.372×10^9	1.524×10^8	25	8.575×10^7	9.525×10^6
TULSA	(31, 5)	1.715×10^9	1.905×10^8	300	1.029×10^9	1.143×10^8
FORT WORTH	(31, 5)	1.715×10^9	1.905×10^8	260	8.918×10^8	9.906×10^7
SEATTLE	(49, 2)	6.86×10^8	7.62×10^7	160	5.488×10^8	6.096×10^7
WALLA WALLA	(49, 3)	1.029×10^9	1.143×10^8	25	8.575×10^7	9.525×10^6
PORTLAND	(49, 5)	1.715×10^9	1.905×10^8	320	1.0976×10^9	1.2192×10^8
SAN FRANCISCO	(49, 4)	1.372×10^9	1.524×10^8	210	7.203×10^8	8.001×10^{17}
SACRAMENTO	(49, 2)	6.86×10^8	7.62×10^7	25	8.575×10^7	9.525×10^6
TOTALS		1.85×10^{10}	2.05×10^4		8.21×10^9	9.12×10^8

Percentage length to scene volumes: 30m 44%; 10m 44%

*(X, Y): X = Swath number; Y = Number of scenes in swath.

** All data volumes calculated in pixels.

DAY 4

DISTRICT	SCENE ESTIMATE*	DATA VOLUME**		LENGTH ESTIMATE	DATA VOLUME**	
		10m	30m		10m	30m
BOSTON	(14, 2)	6.86×10^8	7.62×10^7	25	8.575×10^7	9.525×10^6
PROVIDENCE	(14, 4)	1.372×10^9	1.524×10^8	220	7.546×10^8	8.382×10^7
NEW YORK	(14, 4)	1.372×10^9	1.524×10^8	90	3.087×10^8	3.429×10^7
PHILADELPHIA	(14, 2)	6.86×10^8	7.62×10^7	25	8.575×10^7	9.525×10^6
BALTIMORE	(14, 1)	3.43×10^8	3.81×10^7	25	8.575×10^7	9.525×10^6
WILMINGTON	(14, 2)	6.86×10^8	7.62×10^7	25	8.575×10^7	9.525×10^6
ST. PAUL	(32, 4)	1.372×10^9	1.524×10^8	210	7.203×10^8	8.001×10^7
OMAHA	(32, 5)	1.715×10^9	1.905×10^8	310	1.0633×10^9	1.1811×10^8
KANSAS CITY	(32, 3)	1.029×10^9	1.143×10^8	120	4.116×10^8	4.572
ALBUQUERQUE	(32, 4)	1.372×10^9	1.524×10^8	160	5.488×10^8	6.096×10^7
TULSA	(32, 5)	1.715×10^9	1.905×10^8	240	8.232×10^8	9.144×10^7
FORT WORTH	(32, 4)	1.372×10^9	1.524×10^8	170	5.831×10^8	6.477×10^7
SEATTLE	(50, 3)	1.029×10^9	1.143×10^8	140	4.802×10^8	5.334×10^7
PORTLAND	(50, 3)	1.029×10^9	1.143×10^8	310	1.0633×10^9	1.1811×10^8
SAN FRANCISCO	(50, 1)	3.43×10^8	3.81×10^7	25	8.575×10^7	9.525×10^6
TOTALS		1.61×10^{10}	1.79×10^9		7.95×10^9	7.98×10^8

Percentage length to scene volumes: 30m 44%; 10m 49%

*(X, Y): X = Swath number; Y = Number of scenes in swath.

** All data volumes calculated in pixels.

APPENDIX CPOTENTIAL USER DEMAND

This Appendix presents a sample of the potential user demand projected in this study based on polar orbiter passes over CONUS and Alaska. The complete presentation of this data requires 224 pages. Thus in the interest of economy only two sample swaths are given.

This data was constructed from the standard ERTS/Landsat orbit at 920 km altitude. The length of each entry was determined by the area of jurisdiction responsibility or a fraction of this area. The rationale for these entries is presented in Section 4.3 of this report.

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
100 USDA	Salt Lake City	all	50	1	
101 USDA	Salt Lake City	all	50	2	
102 USDA	Salt Lake City	all	50	5	
103 USDI	Sioux Falls	all	220	1	
104 USDI	Sioux Falls	all	220	2	
105 USDI	Sioux Falls	all	220	5	
106 BLM-OCS	New York City	4	170	5	
107 BLM-OCS	New York City	4	170	2	
108 BLM-OCS	New York City	4	35	5	
109 BLM-OCS				5	0
110 BLM-OCS				2	0
111 BLM-OCS				5	0
112 BLM-State				9	0
113 BLM-State				2	0
114 BLM-State				2	0
115 BLM-State				9	0
116 BLM-State				2	0
117 BLM-State				2	0
118 BLM-State				9	0
119 BLM-State				2	0
120 BLM-State				2	0
121 BLM-State				9	0
122 BLM-State				2	0
123 BLM-State				2	0
124 BLM-State				9	0
125 BLM-State				2	0
126 BLM-State				2	0
127 BLM-State				9	0
128 BLM-State				2	0
129 BLM-State				2	0
130 BLM-Hqtrs	Washg. D.C.	4	170	5	
131 BLM-Hqtrs	Washg. D.C.	4	170	2	
132 BLM-Hqtrs	Washg. D.C.	4	35	5	
133 BLM-Hqtrs	Washg. D.C.			9	0
134 BLM-Hqtrs	Washg. D.C.			2	0
135 BLM-Hqtrs	Washg. D.C.			2	0
136 EPA	Las Vegas	6	25	5	
137 EPA	Las Vegas	6	25	5	
138 EPA	Las Vegas	6	25	2	
139 EPA	Las Vegas	4	170	5	
140 EPA	Las Vegas	4	35	5	
141 Coast Guard	Groton, Conn.	4	100	1	
142 Coast Guard	Groton, Conn.	4	50	1	
143 Coast Guard	Groton, Conn.	4		2	
144 USACE	Boston	6	70	5	
145 USACE	Boston	6	70	1	
146 USACE	Boston	6	25	1	
147 USACE				5	0
148 USACE				1	0
149 USACE				1	0

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
150 USACE				5	0
151 USACE				1	0
152 USACE				1	0
153 USACE				5	0
154 USACE				1	0
155 USACE				1	0
156 USACE				5	0
157 USACE				1	0
158 USACE				1	0
159 USACE				5	0
160 USACE				1	0
161 USACE				1	0
162 USACE				5	0
163 USACE				1	0
164 USACE				1	0
165 USACE				5	0
166 USACE				1	0
167 USACE				1	0
168 USACE				5	0
169 USACE				1	0
170 USACE				1	0
171 USACE				5	0
172 USACE				1	0
173 USACE				1	0
174					
175					
176					
177					
178					
179					
180					
181					
182					
183					
184					
185					
186					
187					
188					
189					
190					
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196					
197					
198					
199					

PATH 11

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
300 State - Maine	Augusta	7	100	5	
301 State - Maine	Augusta	7	50	5	
302 State - Maine	Augusta	7	25	5	
303 State - Maine	Augusta	7	25	2	
304 State - Maine	Augusta	7		2	
305 State				5	0
306 State				5	0
307 State				5	0
308 State				2	0
309 State				2	0
310 State				5	0
311 State				5	0
312 State				5	0
313 State				2	0
314 State				2	0
315 State				5	0
316 State				5	0
317 State				5	0
318 State				2	0
319 State				2	0
320 State				5	0
321 State				5	0
322 State				5	0
323 State				2	0
324 State				2	0
325 State				5	0
326 State				5	0
327 State				5	0
328 State				2	0
329 State				2	0
330 State				5	0
331 State				5	0
332 State				5	0
333 State				2	0
334 State				2	0
335 State				5	0
336 State				5	0
337 State				5	0
338 State				2	0
339 State				2	0
340 State				5	0
341 State				5	0
342 State				5	0
343 State				2	0
344 State				2	0
345 Region I	Boston	7	100	5	
346 Region I	Boston	7	50	5	
347 Region I	Boston	7	25	5	
348 Region I	Boston	7	25	2	
349 Region I	Boston	7		2	

PATH 11

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
350 Region				5	0
351 Region				5	0
352 Region				5	0
353 Region				2	0
354 Region				2	0
355 Region				5	0
356 Region				5	0
357 Region				5	0
358 Region				2	0
359 Region				2	0
360 Region				5	0
361 Region				5	0
362 Region				5	0
363 Region				2	0
364 Region				2	0
365 Regional Commission	Boston	6	100	5	
366 Regional Commission	Boston	6	200	5	
367 Regional Commission	Boston	6	200	2	
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PATH 11

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
400 Commercial	Boston	7	25	5	
401 Commercial	Boston	7	25	1	
402 Commercial				5	0
403 Commercial				1	0
404 Private (Forest)			200	5	0
405 Private (Forest)			200	2	0
406 Private (Forest)		6	100	5	
407 Private (Forest)		6	100	2	
408 Sea Ice				1	0
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PATH 11

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
500 Unspecified	Denver	7	100	5	
501 Unspecified	Los Angeles	7	200	5	
502 Unspecified	Atlanta	7	400	5	
503 Unspecified	Wash. DC	7	800	5	
504 Unspecified	Wash. DC	7	100	1	
505 Unspecified	Atlanta	7	200	1	
506 Unspecified	Los Angeles	7	400	1	
507 Unspecified	Denver	7	800	1	
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USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
100 USDA	Salt Lake City	all	1120	1	
101 USDA	Salt Lake City	all	1120	2	
102 USDA	Salt Lake City	all	1120	5	
103 USDI	Sioux Falls	all	1120	1	
104 USDI	Sioux Falls	all	1120	2	
105 USDI	Sioux Falls	all	1120	5	
106 BLM-OCS				5	0
107 BLM-OCS				2	0
108 BLM-OCS				5	0
109 BLM-OCS				5	0
110 BLM-OCS				2	0
111 BLM-OCS				5	0
112 BLM-State	Phoenix	6	150	9	
113 BLM-State	Phoenix	6	150	2	
114 BLM-State	Phoenix	6	25	2	
115 BLM-State	Salt Lake City	6	240	9	
116 BLM-State	Salt Lake City	6	240	2	
117 BLM-State	Salt Lake City	6	25	2	
118 BLM-State	Denver	6	50	9	
119 BLM-State	Denver	6	50	2	
120 BLM-State	Denver	6	25	2	
121 BLM-State	Cheyenne	6	240	9	
122 BLM-State	Cheyenne	6	240	2	
123 BLM-State	Cheyenne	6	25	2	
124 BLM-State	Billings	6	150	9	
125 BLM-State	Billings	6	150	2	
126 BLM-State	Billings	6	25	2	
127 BLM-State				9	0
128 BLM-State				2	0
129 BLM-State				2	0
130 BLM-Hqtrs	Washg. D.C.			5	0
131 BLM-Hqtrs	Washg. D.C.			2	0
132 BLM-Hqtrs	Washg. D.C.			5	0
133 BLM-Hqtrs	Washg. D.C.	6	830	9	
134 BLM-Hqtrs	Washg. D.C.	6	830	2	
135 BLM-Hqtrs	Washg. D.C.	6	85	2	
136 EPA	Las Vegas	6	115	5	
137 EPA	Las Vegas	6	560	5	
138 EPA	Las Vegas	6	560	2	
139 EPA	Las Vegas			5	0
140 EPA	Las Vegas			5	0
141 Coast Guard			100	1	0
142 Coast Guard			50	1	0
143 Coast Guard				2	0
144 USACE	Omaha	6	410	5	
145 USACE	Omaha	6	410	1	
146 USACE	Omaha	6	45	1	
147 USACE	Los Angeles	6	650	5	
148 USACE	Los Angeles	6	650	1	
149 USACE	Los Angeles	6	65	1	

PATH 39

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
150 USACE				5	0
151 USACE				1	0
152 USACE				1	0
153 USACE				5	0
154 USACE				1	0
155 USACE				1	0
156 USACE				5	0
157 USACE				1	0
158 USACE				1	0
159 USACE				5	0
160 USACE				1	0
161 USACE				1	0
162 USACE				5	0
163 USACE				1	0
164 USACE				1	0
165 USACE				5	0
166 USACE				1	0
167 USACE				1	0
168 USACE				5	0
169 USACE				1	0
170 USACE				1	0
171 USACE				5	0
172 USACE				1	0
173 USACE				1	0
174 BIA	Billings	6	180	2	
175 BIA	Billings	6	180	5	
176 BIA	Albuquerque	6	400	2	
177 BIA	Albuquerque	6	400	5	
178 BIA-Hqtrs	Washington DC	6	580	2	
179 BIA-Hqtrs	Washington DC	6	580	5	
180					0
181					0
182 USDA Forest Service	Missoula	4	25	7	
183 USDA Forest Service	Missoula	4	25	2	
184 USDA Forest Service	Denver	4	80	7	
185 USDA Forest Service	Denver	4	80	2	
186 USDA Forest Service	Ogden	4	205	7	
187 USDA Forest Service	Ogden	4	205	2	
188 USDA Forest Service	Albuquerque	4	160	7	
189 USDA Forest Service	Albuquerque	4	160	2	
190 USDA Forest Service-Hq	Washington DC	4	470	7	
191 USDA Forest Service-Hq	Washington DC	4	470	2	
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USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
300 State - Arizona	Phoenix	7	350	5	
301 State - Arizona	Phoenix	7	175	5	
302 State - Arizona	Phoenix	7	35	5	
303 State - Arizona	Phoenix	7	35	2	
304 State - Arizona	Phoenix	7	185	2	
305 State - Utah	Salt Lake City	7	260	5	
306 State - Utah	Salt Lake City	7	130	5	
307 State - Utah	Salt Lake City	7	30	5	
308 State - Utah	Salt Lake City	7	30	2	
309 State - Utah	Salt Lake City	7	55	2	
310 State - Colorado	Denver	7	90	5	
311 State - Colorado	Denver	7	45	5	
312 State - Colorado	Denver	7	25	5	
313 State - Colorado	Denver	7	25	2	
314 State - Colorado	Denver	7	50	2	
315 State - Wyoming	Cheyenne	7	260	5	
316 State - Wyoming	Cheyenne	7	130	5	
317 State - Wyoming	Cheyenne	7	30	5	
318 State - Wyoming	Cheyenne	7	30	2	
319 State - Wyoming	Cheyenne	7	150	2	
320 State - Montana	Helena	7	270	5	
321 State - Montana	Helena	7	135	5	
322 State - Montana	Helena	7	30	5	
323 State - Montana	Helena	7	30	2	
324 State - Montana	Helena	7	180	2	
325 State				5	0
326 State				5	0
327 State				5	0
328 State				2	0
329 State				2	0
330 State				5	0
331 State				5	0
332 State				5	0
333 State				2	0
334 State				2	0
335 State				5	0
336 State				5	0
337 State				5	0
338 State				2	0
339 State				2	0
340 State				5	0
341 State				5	0
342 State				5	0
343 State				2	0
344 State				2	0
345 Region IX	San Francisco	7	350	5	
346 Region IX	San Francisco	7	175	5	
347 Region IX	San Francisco	7	35	5	
348 Region IX	San Francisco	7	35	2	
349 Region IX	San Francisco	7	145	2	

PATH 39

USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
350 Region VII	Denver	7	790	5	
351 Region VII	Denver	7	395	5	
352 Region VIII	Denver	7	80	5	
353 Region VII	Denver	7	80	2	
354 Region VIII	Denver	7	500	2	
355 Region				5	0
356 Region				5	0
357 Region				5	0
358 Region				2	0
359 Region				2	0
360 Region				5	0
361 Region				5	0
362 Region				5	0
363 Region				2	0
364 Region				2	0
365 Regional Commission	Phoenix	6	100	5	
366 Regional Commission	Phoenix	6	200	5	
367 Regional Commission	Phoenix	6	200	2	
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USER IDENTIFICATION	LOCATION	NO OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
400 Commercial	Berkeley	7	115	5	
401 Commercial	Berkeley	7	115	1	
402 Commercial	Berkeley	7	280	5	
403 Commercial	Berkeley	7	280	1	
404 Private (Forest)		6	200	5	
405 Private (Forest)		6	200	2	
406 Private (Forest)		6	100	5	
407 Private (Forest)		6	100	2	
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USER IDENTIFICATION	LOCATION	NO. OF BANDS	LENGTH (N.M.)	TIMELINESS (DAYS)	PROBABILITY OF DEMAND
500 Unspecified	Denver	7	100	5	
501 Unspecified	Los Angeles	7	200	5	
502 Unspecified	Atlanta	7	400	5	
503 Unspecified	Washington DC	7	800	5	
504 Unspecified	Washington DC	7	100	1	
505 Unspecified	Atlanta	7	200	1	
506 Unspecified	Los Angeles	7	400	1	
507 Unspecified	Denver	7	800	1	
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APPENDIX DUSER DEMAND MODEL

This Appendix presents the nominal and expanded user demands for both CONUS and Alaska. This material is presented for each path based on the standard Landsat/ERTS passes. The nominal CONUS demand is followed by the expanded CONUS demand (paths 11 through 52). Likewise the nominal Alaska demand is followed by the expanded Alaska demand (paths 59 through 92).

PATH 11 (NOMINAL), TOTAL LENGTH 420 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	50	22.7	22.7	2	1.0
104 USDI	220	100	100	2	1.0
108 BLM, OCS	35	9.1	5.3	5	0.5
132 BLM HQ, OCS	35	9.1	5.3	5	0.5
144 USACE	70	27.3	15.9	5	0.333

PATH 12 (NOMINAL), TOTAL LENGTH 420 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	250	59.5	59.5	2	1.0
104 USDI	420	100	100	2	1.0
108 BLM, OCS	45	6.1	3.6	5	0.5
132 BLM HQ, OCS	45	6.1	3.6	5	0.5
144 USACE	230	46.9	27.4	5	0.333
147 USACE	30	6.1	3.6	5	0.333

PATH 13 (NOMINAL), TOTAL LENGTH 440 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101	400	90.9	90.9	2	1.0
104 USDI	440	100	100	2	1.0
108 BLM, OCS	25	3.2	1.9	5	0.5
132 BLM HQ, OCS	25	3.2	1.9	5	0.5
144 USACE	330	64.3	7.5	5	0.333
147 USACE	70	13.6	8.0	5	0.333
150 USACE	25	4.9	2.8	5	0.333
321 STATE, N.Y.	25	5.7	3.3	5	0.05

PATH 14 (NOMINAL), TOTAL LENGTH 650 (NM)

USER		LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
			30m	10m		
101	USDA	270	41.5	41.5	2	1.0
104	USDI	650	100	100	2	1.0
108	BLM, OCS	80	7.0	4.1	5	0.5
132	BLM HQ, OCS	80	7.0	4.1	5	0.5
144	USACE	220	29.0	16.9	5	0.333
147	USACE	90	11.9	6.9	5	0.333
316	STATE, N.Y.	25	3.8	2.2	5	0.05

PATH 15 (NOMINAL), TOTAL LENGTH 680 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	630	92.6	92.6	2	1.0
104 USDI	680	100	100	2	1.0
108 BLM, OCS	25	2.1	1.2	5	0.5
132 BLM HQ, OCS	25	2.1	1.2	5	0.5
144 USACE	290	36.6	21.3	5	0.333
147 USACE	160	20.2	11.8	5	0.333
150 USACE	60	7.6	4.4	5	0.333
153 USACE	80	10.1	5.9	5	0.333
156 USACE	120	15.1	8.8	5	0.333
306 STATE, N.Y.	100	14.7	8.6	5	0.05
307 STATE, N.Y.	25	3.7	2.1	5	0.5
361 REG. IV	70	10.3	6.0	5	0.05
362 REG. IV	25	3.7	2.1	5	0.5

PATH 16 (NOMINAL), TOTAL LENGTH 1070 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
101	USDA	860	80.4	80.4	2	1.0
104	USDI	1070	100	100	2	1.0
108	BLM, OCS	25	1.3	0.8	5	0.5
111	BLM, OCS	25	1.3	0.8	5	0.5
132	BLM HQ, OCS	50	2.6	1.6	5	0.5
144	USACE	110	8.8	5.1	5	0.333
147	USACE	40	3.2	1.9	5	0.333
150	USACE	280	22.4	13.1	5	0.333
153	USACE	90	7.2	4.2	5	0.333
156	USACE	180	14.4	8.4	5	0.333
159	USACE	30	2.4	1.4	5	0.333
162	USACE	180	14.4	8.4	5	0.333
301	STATE, N.Y.	95	8.9	5.2	5	0.05
302	STATE, N.Y.	25	2.3	1.4	5	0.5
356	REG. IV	200	18.7	10.9	5	0.05
357	REG. IV	40	3.7	2.2	5	0.5

PATH 17 (NOMINAL), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	860	74.8	74.8	2	1.0
104 USDI	1150	100	100	2	1.0
108 BLM, OCS	25	1.2	0.7	5	0.5
111 BLM, OCS	40	2.0	1.2	5	0.5
132 BLM HQ, OCS	65	3.2	1.9	5	0.5
144 USACE	120	8.9	5.2	5	0.333
147 USACE	270	20.1	11.7	5	0.333
150 USACE	30	2.2	1.3	5	0.333
153 USACE	140	10.4	6.1	5	0.333
156 USACE	180	13.4	7.8	5	0.333
159 USACE	200	14.9	8.7	5	0.333
180 CIP	120	0.6	0.4	7	1.0
301 STATE, N.Y.	70	6.0	3.6	5	0.05
302 STATE, N.Y.	25	2.2	1.3	5	0.5
356 REG. IV	255	22.2	12.9	5	0.05
357 REG. IV	55	4.8	2.8	5	0.5

PATH 18 (NOMINAL), TOTAL LENGTH 1100 (NM)

	USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
			30m	10m		
101	USDA	880	80	80	2	1.0
104	USDI	1100	100	100	2	1.0
108	BLM, OCS	45	2.3	1.4	5	0.5
132	BLM HQ, OCS	45	2.3	1.4	5	0.5
144	USACE	110	8.6	5.0	5	0.333
147	USACE	250	19.5	11.4	5	0.333
150	USACE	40	3.1	1.8	5	0.333
153	USACE	90	7.0	4.1	5	0.333
156	USACE	190	14.8	8.6	5	0.333
159	USACE	200	15.6	9.1	5	0.333
162	USACE	100	7.8	4.5	5	0.333
301	STATE, N.Y.	55	5.0	2.9	5	0.05
302	STATE, N.Y.	25	2.3	1.3	5	0.5
356	REG. IV	270	24.5	14.3	5	0.05
357	REG. IV	55	5.0	2.9	5	0.5

PATH 19 (NOMINAL), TOTAL LENGTH 860 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
101	USDA	750	87.2	87.2	2	1.0
104	USDI	860	100	100	2	1.0
108	BLM, OCS	25	1.7	0.9	5	0.5
132	BLM HQ, OCS	25	1.7	0.9	5	0.5
144	USACE	110	11	6.4	5	0.333
147	USACE	100	10	5.8	5	0.333
150	USACE	180	17.9	10.5	5	0.333
153	USACE	120	12.0	7.0	5	0.333
156	USACE	50	5	2.9	5	0.333
159	USACE	170	16.9	10	5	0.333
162	USACE	110	11	6.5	5	0.333
306	STATE, OHIO	40	4.7	2.7	5	0.05
307	STATE, OHIO	25	2.9	1.7	5	0.5
351	REG. IV	210	24.4	14.2	5	0.05
352	REG. IV	45	5.2	3.1	5	0.5

PATH 20 (NOMINAL), TOTAL LENGTH 780 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	720	92.3	92.3	2	1.0
104 USDI	780	100	100	2	1.0
108 BLM, OCS	25	1.8	1.1	5	0.5
132 BLM HQ, OCS	25	1.8	1.1	5	0.5
144 USACE	270	29.7	17.3	5	0.333
147 USACE	190	20.9	12.2	5	0.333
150 USACE	50	5.5	3.2	5	0.333
153 USACE	150	16.5	9.6	5	0.333
156 USACE	310	34.1	19.9	5	0.333
159 USACE	40	4.4	2.6	5	0.333
301 STATE, OHIO	100	11.0	6.4	5	0.05
302 STATE, OHIO	25	1.8	1.1	5	0.5
351 REG. IV	280	12.8	7.5	5	0.05
352 REG. IV	60	7.7	4.5	5	0.5

PATH 21 (NOMINAL), TOTAL LENGTH 840 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
101	USDA	780	92.9	92.9	2	1.0
104	USDI	840	100	100	2	1.0
108	BLM, OCS	25	1.7	1.0	5	0.5
132	BLM HQ, OCS	25	1.7	1.0	5	0.5
144	USACE	320	32.6	19.0	5	0.333
147	USACE	40	4.1	2.4	5	0.333
150	USACE	50	5.1	3.0	5	0.333
153	USACE	180	18.4	10.7	5	0.333
156	USACE	170	17.3	10.1	5	0.333
159	USACE	260	26.5	15.5	5	0.333
180	CIP	120	0.9	0.5	7	1.0
306	STATE, OHIO	100	11.9	6.9	5	0.05
307	STATE, OHIO	25	3.0	1.7	5	0.5
351	REG. IV	270	32.1	18.8	5	0.05
352	REG. IV	55	6.5	3.8	5	0.5

PATH 22 (NOMINAL), TOTAL LENGTH 1010 (NM)

	USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
			30m	10m		
101	USDA	920	91.1	91.1	2	1.0
104	USDI	1010	100	100	2	1.0
108	BLM, OCS	25	1.4	0.8	5	0.5
132	BLM HQ, OCS	25	1.4	0.8	5	0.5
144	USACE	330	28	16.3	5	0.333
147	USACE	270	22.9	13.4	5	0.333
150	USACE	140	11.9	6.9	5	0.333
153	USACE	250	21.2	12.4	5	0.333
306	STATE, OHIO	25	2.5	1.4	5	0.05
351	REG. IV	260	25.7	15	5	0.05
352	REG. IV	55	5.4	3.2	5	0.5

PATH 23 (NOMINAL), TOTAL LENGTH 1090 (NM)

USER		LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
			30m	10m		
101	USDA	1030	94.5	94.5	2	1.0
104	USDI	1090	100	100	2	1.0
108	BLM, OCS	25	1.3	0.7	5	0.5
132	BLM HQ, OCS	25	1.3	0.7	5	0.5
144	USACE	320	25.2	14.7	5	0.333
147	USACE	270	21.2	12.4	5	0.333
150	USACE	160	12.6	7.3	5	0.333
153	USACE	260	20.4	11.9	5	0.333
156	USACE	60	4.7	2.8	5	0.333
351	REG. IV	235	21.6	12.6	5	0.05
352	REG. IV	50	4.6	2.7	5	0.5

PATH 24 (NOMINAL), TOTAL LENGTH 950 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	880	92.6	92.6	2	1.0
104 USDI	950	100	100	2	1.0
108 BLM, OCS	25	1.5	0.9	5	0.5
132 BLM HQ, OCS	25	1.5	0.9	5	0.5
144 USACE	310	30	16.3	5	0.333
147 USACE	140	12.6	7.4	5	0.333
150 USACE	230	20.8	12.1	5	0.333
153 USACE	180	16.2	9.4	5	0.333
156 USACE	25	2.3	1.3	5	0.333
159 USACE	140	12.6	7.4	5	0.333
162 USACE	200	18	10.5	5	0.333
165 USACE	150	15.8	7.9	5	0.333
351 REG.IV	190	20	11.7	5	0.05
352 REG. IV	40	4.2	2.5	5	0.5
365 REG. COMM.	100	10.5	5.3	5	0.153

PATH 25 (NOMINAL), TOTAL LENGTH 1110 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1040	93.7	93.7	2	1.0
104 USDI	1110	100	100	2	1.0
108 BLM, OCS	25	2.3	0.4	5	0.5
132 BLM HQ, OCS	25	2.3	0.4	5	0.5
144 USACE	130	10	5.9	5	0.333
147 USACE	400	30.9	18	5	0.333
150 USACE	160	12.4	7.2	5	0.333
153 USACE	200	15.4	9.0	5	0.333
156 USACE	160	12.4	7.2	5	0.333
159 USACE	110	8.4	5.0	5	0.333
180 CIP	120	0.7	0.4	7	1.0

PATH 26 (NOMINAL), TOTAL LENGTH 1170 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1045	89.3	89.3	2	1.0
104 USDI	1170	100	100	2	1.0
108 BLM, OCS	25	1.2	0.7	5	0.5
132 BLM HQ, OCS	25	1.2	0.7	5	0.5
144 USACE	210	15.4	9.0	5	0.333
147 USACE	150	11.0	6.4	5	0.333
150 USACE	250	18.3	10.7	5	0.333
153 USACE	170	12.5	7.3	5	0.333
156 USACE	25	1.8	1.1	5	0.333
159 USACE	200	14.7	8.5	5	0.333
162 USACE	80	5.9	3.4	5	0.333
165 USACE	100	7.3	4.3	5	0.333
168 USACE	70	5.1	3.0	5	0.333
171 USACE	60	4.4	2.6	5	0.333
331 STATE, TEX.	60	5.1	3.0	5	0.05
332 STATE, TEX.	25	2.1	1.2	5	0.5

PATH 27 (NOMINAL), TOTAL LENGTH 1280 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1110	86.7	86.7	2	1.0
104 USDI	1280	100	100	2	1.0
108 BLM, OCS	35	1.6	0.9	5	0.5
132 BLM HQ, OCS	35	1.6	0.9	5	0.5
144 USACE	340	22.8	13.3	5	0.333
147 USACE	180	12.1	7.0	5	0.333
150 USACE	50	3.3	2.0	5	0.333
153 USACE	160	10.7	6.3	5	0.333
156 USACE	160	10.7	6.3	5	0.333
159 USACE	60	4.0	2.3	5	0.333
162 USACE	70	4.7	2.7	5	0.333
165 USACE	100	6.7	3.9	5	0.333
168 USACE	130	8.7	5.1	5	0.333
326 STATE, TEX.	160	12.5	7.3	5	0.05
327 STATE, TEX.	35	2.7	1.6	5	0.5

PATH 28 (NOMINAL), TOTAL LENGTH 1310 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1310	100	100	2	1.0
104 USDI	1310	100	100	2	1.0
144 USACE	270	17.6	10.3	5	0.333
147 USACE	160	10.5	6.1	5	0.333
150 USACE	220	14.4	8.4	5	0.333
153 USACE	270	17.6	10.3	5	0.333
156 USACE	25	2.8	1.6	5	0.333
159 USACE	170	11.1	6.5	5	0.333
162 USACE	260	17.0	9.9	5	0.333
331 STATE, TEX.	240	18.3	10.7	5	0.05
332 STATE, TEX.	50	3.8	2.2	5	0.5

PATH 29 (NOMINAL), TOTAL LENGTH 1380 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1380	100	100	2	1.0
104 USDI	1380	100	100	2	1.0
144 USACE	300	18.6	10.9	5	0.333
147 USACE	120	7.5	4.3	5	0.333
150 USACE	210	13.0	7.6	5	0.333
153 USACE	270	16.8	9.7	5	0.333
156 USACE	430	26.7	15.6	5	0.333
180 CIP	120	0.5	0.3	7	1.0
301 STATE, TEX.	230	16.7	9.7	5	0.05
302 STATE, TEX.	45	3.3	1.9	5	0.5

PATH 30 (NOMINAL), TOTAL LENGTH 1290 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1290	100.0	100.0	2	1.0
104 USDI	1290	100.0	100.0	2	1.0
144 USACE	300	20.6	12.0	5	0.333
147 USACE	25	1.7	0.9	5	0.333
150 USACE	190	12.6	7.4	5	0.333
153 USACE	110	7.3	4.3	5	0.333
156 USACE	310	20.6	12.0	5	0.333
159 USACE	340	22.6	13.2	5	0.333
301 STATE, TEX.	165	12.8	7.5	5	0.05
302 STATE, TEX.	25	1.9	0.9	5	0.5

PATH 31 (NOMINAL), TOTAL LENGTH 1250 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1250	100.0	100.0	2	1.0
104 USDI	1250	100.0	100.0	2	1.0
144 USACE	280	19.2	11.2	5	0.333
147 USACE	190	13.0	7.6	5	0.333
150 USACE	150	10.3	6.0	5	0.333
153 USACE	25	1.7	1.0	5	0.333
156 USACE	300	20.6	12.0	5	0.333
159 USACE	260	17.8	10.4	5	0.333
180 CIP	120	.6	.3	7	1.0
301 STATE, TEX.	85	6.8	3.9	5	0.05
302 STATE, TEX.	25	2.0	1.0	5	0.5

PATH 32 (NOMINAL), TOTAL LENGTH 1250 (NM)

USER		LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
			30m	10m		
101	USDA	1250	100.0	100.0	2	1.0
104	USDI	1250	100.0	100.0	2	1.0
144	USACE	210	14.4	8.4	5	0.333
147	USACE	310	21.3	12.4	5	0.333
150	USACE	120	8.2	4.8	5	0.333
153	USACE	160	11.0	6.4	5	0.333
156	USACE	240	16.5	9.6	5	0.333
159	USACE	170	11.7	6.8	5	0.333
301	STATE, TEX.	140	11.2	6.5	5	0.05
302	STATE, TEX.	30	2.4	1.4	5	0.5

PATH 33 (NOMINAL), TOTAL LENGTH 1260 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1260	100.0	100.0	2	1.0
104 USDI	1260	100.0	100.0	2	1.0
112 BLM, STATE	25	1.7	0.9	9	0.333
133 BLM HQ., STATE	25	1.7	0.9	9	0.333
144 USACE	150	10.2	5.9	5	0.333
147 USACE	350	23.8	13.9	5	0.333
150 USACE	140	9.5	5.6	5	0.333
153 USACE	240	16.5	9.5	5	0.333
156 USACE	180	12.2	7.1	5	0.333
159 USACE	160	10.9	6.3	5	0.333
180 CIP	120	0.6	0.3	7	1.0
301 STATE, TEX.	230	18.3	10.6	5	0.05
302 STATE, TEX.	50	3.9	2.3	5	0.5

PATH 34 (NOMINAL), TOTAL LENGTH 1190 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1190	100.0	100.0	2	1.0
104 USDI	1190	100.0	100.0	2	1.0
112 BLM, STATE	150	10.8	6.3	9	0.333
115 BLM, STATE	90	6.5	3.8	9	0.333
133 BLM HQ., STATE	240	17.3	10.1	9	0.333
144 USACE	80	5.8	3.4	5	0.333
147 USACE	420	30.3	17.6	5	0.333
150 USACE	120	8.6	5.0	5	0.333
153 USACE	440	31.7	18.5	5	0.333
156 USACE	80	5.8	3.4	5	0.333
301 STATE, TEX.	45	3.8	2.2	5	0.05
302 STATE, TEX.	25	2.1	1.1	5	0.5

PATH 35 (NOMINAL), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1120	100.0	100.0	2	1.0
104 USDI	1120	100.0	100.0	2	1.0
112 BLM, STATE	230	17.6	10.3	9	0.333
115 BLM, STATE	100	7.6	4.5	9	0.333
133 BLM, HQ., STATE	330	25.2	14.8	9	0.333
144 USACE	80	6.1	3.6	5	0.333
147 USACE	520	39.8	23.2	5	0.333
150 USACE	470	36.0	21.0	5	0.333

PATH 36 (NOMINAL), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1120	100.0	100.0	2	1.0
104 USDI	1120	100.0	100.0	2	1.0
112 BLM, STATE	310	23.7	13.8	9	0.333
115 BLM, STATE	150	11.5	6.7	9	0.333
118 BLM, STATE	100	7.7	4.5	9	0.333
133 BLM HQ., STATE	560	42.9	25.0	9	0.333
144 USACE	50	3.8	2.2	5	0.333
147 USACE	560	42.9	25.0	5	0.333
150 USACE	500	38.2	22.3	5	0.333

PATH 37 (NOMINAL), TOTAL LENGTH 1130 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1130	100.0	100.0	2	1.0
104 USDI	1130	100.0	100.0	2	1.0
112 BLM, STATE	90	6.8	4.0	9	0.333
115 BLM, STATE	310	23.5	13.7	9	0.333
118 BLM, STATE	100	7.5	4.4	9	0.333
121 BLM, STATE	140	10.6	6.2	9	0.333
124 BLM, STATE	100	7.5	4.4	9	0.333
133 BLM HQ., STATE	740	55.9	88.6	9	0.333
144 USACE	25	1.9	1.1	5	0.333
147 USACE	510	38.7	22.6	5	0.333
150 USACE	540	41.0	23.9	5	0.333
153 USACE	150	11.4	6.6	5	0.333

PATH 38 (NOMINAL), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1120	100.0	100.0	2	1.0
104 USDI	1120	100.0	100.0	2	1.0
112 BLM, STATE	90	6.9	4.0	9	0.333
118 BLM, STATE	25	1.9	1.1	9	0.333
121 BLM, STATE	230	17.6	10.3	9	0.333
124 BLM, STATE	250	19.1	11.2	9	0.333
127 BLM, STATE	220	16.8	9.8	9	0.333
133 BLM, HQ., STATE	8.5	55.4	87.8	9	0.333
144 USACE	470	36.0	21.0	5	0.333
147 USACE	610	46.7	27.2	5	0.333
365 REG. COMM.	100	7.6	4.5	5	0.153

PATH 39 (NOMINAL), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1120	100.0	100.0	2	1.0
104 USDI	1120	100.0	100.0	2	1.0
112 BLM, STATE	150	11.5	6.7	9	0.333
115 BLM, STATE	240	18.4	10.7	9	0.333
118 BLM, STATE	50	3.8	2.2	9	0.333
121 BLM, STATE	240	18.4	10.7	9	0.333
124 BLM, STATE	150	11.5	6.7	9	0.333
133 BLM HQ., STATE	830	63.6	37.0	9	0.333
144 USACE	410	32.0	18.7	5	0.333
147 USACE	650	49.7	29.0	5	0.333

PATH 40 (NOMINAL), TOTAL LENGTH 1100 (NM)

USER		LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
			30m	10m		
101	USDA	1100	100.0	100.0	2	1.0
104	USDI	1100	100.0	100.0	2	1.0
112	BLM, STATE	200	15.6	9.1	9	0.333
115	BLM, STATE	220	17.1	10.0	9	0.333
118	BLM, STATE	170	13.2	7.7	9	0.333
121	BLM, STATE	220	17.2	10.0	9	0.333
133	BLM, HQ., STATE	810	63.0	36.8	9	0.333
144	USACE	740	57.7	33.6	5	0.333
147	USACE	390	30.4	17.7	5	0.333

PATH 41 (NOMINAL), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1150	100.0	100.0	2	1.0
104 USDI	1150	100.0	100.0	2	1.0
112 BLM, STATE	250	18.6	10.9	9	0.333
115 BLM, STATE	25	1.9	1.1	9	0.333
118 BLM, STATE	230	17.1	10.0	9	0.333
121 BLM, STATE	90	6.7	3.9	9	0.333
127 BLM, STATE	170	12.7	7.4	9	0.333
133 BLM HQ., STATE	765	57.0	33.3	9	0.333
144 USACE	280	20.9	12.2	5	0.333
147 USACE	120	8.9	5.2	5	0.333
150 USACE	3.0	23.1	13.5	5	0.333
153 USACE	320	23.8	13.9	5	0.333
306 STATE, CAL.	70	6.1	3.6	5	0.05
307 STATE, CAL.	25	2.2	1.3	5	0.5

PATH 42 (NOMINAL), TOTAL LENGTH 1050 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
101	USDA	1060	100.0	100.0	2	1.0
104	USDI	1060	100.0	100.0	2	1.0
112	BLM, STATE	190	15.4	9.0	9	0.333
115	BLM, STATE	290	23.5	13.7	9	0.333
118	BLM, STATE	200	16.2	9.4	0	0.333
121	BLM, STATE	140	11.3	6.6	9	0.333
124	BLM, STATE	200	16.2	9.4	9	0.333
133	BLM HQ, STATE	1020	82.6	48.1	9	0.333
144	USACE	380	30.7	17.9	5	0.333
147	USACE	260	21.0	12.3	5	0.333
150	USACE	150	12.1	7.0	5	0.333
153	USACE	300	24.2	14.2	5	0.333
180	CIP	120	0.7	0.4	7	1.0
301	STATE, CAL.	95	8.9	5.2	5	0.05
302	STATE, CAL.	25	2.3	1.4	5	0.5
356	REG. X	90	8.5	4.9	5	0.05
357	REG. X	25	2.3	1.4	5	0.5

PATH 43 (NOMINAL), TOTAL LENGTH 1070 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	1030	96.3	96.3	2	1.0
104 USDI	1070	100.0	100.0	2	1.0
108 BLM, OCS	25	1.3	0.9	5	0.5
112 BLM, STATE	230	18.4	10.7	9	0.333
115 BLM, STATE	320	25.6	15.0	9	0.333
118 BLM, STATE	150	12.0	7.0	9	0.333
132 BLM HQ, OCS	25	1.3	0.8	5	0.5
133 BLM HQ, STATE	890	71.2	30.9	9	0.333
144 USACE	370	29.6	17.3	5	0.333
147 USACE	220	17.6	10.3	5	0.333
150 USACE	190	15.2	8.9	5	0.333
153 USACE	280	22.4	13.1	5	0.333
156 USACE	60	4.8	2.8	5	0.333
301 STATE, CAL.	120	11.2	6.5	5	0.05
302 STATE, CAL.	25	2.3	1.4	5	0.5
351 REG. X	95	9.4	4.4	5	0.05
352 REG. X	25	2.3	1.4	5	0.5

PATH 44 (NOMINAL), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	980	85.2	85.2	2	1.0
104 USDI	1150	100.0	100.0	2	1.0
108 BLM, OCS	25	1.2	0.7	5	0.5
112 BLM, STATE	150	11.2	6.5	9	0.333
115 BLM, STATE	300	22.4	13.0	9	0.333
118 BLM, STATE	120	8.9	5.2	9	0.333
121 BLM, STATE	50	3.7	2.1	9	0.333
132 BLM HQ, OCS	25	1.2	0.7	5	0.5
133 BLM HQ, STATE	620	46.2	26.8	9	0.333
144 USACE	310	23.1	13.5	5	0.333
147 USACE	210	15.7	9.1	5	0.333
150 USACE	280	20.8	12.2	5	0.333
153 USACE	200	14.9	8.7	5	0.333
156 USACE	25	1.9	1.1	5	0.333
301 STATE, CAL.	135	11.7	6.8	5	0.05
302 STATE, CAL.	30	2.6	1.5	5	0.5
351 REG. X	130	11.3	6.6	5	0.05
352 REG. X	30	2.6	1.5	5	0.5

PATH 45 (NOMINAL), TOTAL LENGTH 1000 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
101	USDA	950	95.0	95.0	2	1.0
104	USDI	1000	100.0	100.0	2	1.0
108	BLM, OCS	25	1.4	0.8	5	0.5
112	BLM, STATE	130	11.1	6.5	9	0.333
115	BLM, STATE	250	21.4	12.5	9	0.333
118	BLM, STATE	100	8.5	5.0	9	0.333
121	BLM, STATE	200	17.0	10.0	9	0.333
132	BLM HQ, OCS	25	1.4	0.8	5	0.5
133	BLM HQ, STATE	680	58.3	34.0	9	0.333
144	USACE	50	4.3	2.5	5	0.333
147	USACE	440	37.7	22.0	5	0.333
150	USACE	350	30.0	17.5	5	0.333
153	USACE	130	11.1	6.5	5	0.333
301	STATE, CAL.	140	14.0	8.1	5	0.05
302	STATE, CAL.	30	3.0	1.7	5	0.5
351	REB. X	175	17.3	10.2	5	0.05
352	REG. X	35	3.5	2.0	5	0.5

PATH 46 (NOMINAL), TOTAL LENGTH 930 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	900	96.7	96.7	2	1.0
104 USDI	930	100.0	100.0	2	1.0
112 BLM, STATE	180	16.6	9.7	9	0.333
115 BLM, STATE	210	19.3	11.3	9	0.333
118 BLM, STATE	240	25.8	12.9	9	0.333
121 BLM, STATE	50	5.4	2.4	9	0.333
133 BLM HQ, STATE	680	62.6	33.9	9	0.333
144 USACE	25	2.7	1.2	5	0.333
147 USACE	25	2.7	1.2	5	0.333
150 USACE	400	36.9	21.5	5	0.333
153 USACE	350	32.3	18.8	5	0.333
156 USACE	130	12.0	7.0	5	0.333
301 STATE, CAL.	130	14.0	8.1	5	0.05
302 STATE, CAL.	30	3.2	1.6	5	0.5
351 REG. X	220	23.7	13.8	5	0.05
352 REG. X	45	4.8	2.8	5	0.5

PATH 47 (NOMINAL), TOTAL LENGTH 880 (NM)

	USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
			30m	10m		
101	USDA	850	96.6	96.6	2	1.0
104	USDI	880	100.0	100.0	2	1.0
112	BLM, STATE	190	18.5	10.8	9	0.333
115	BLM, STATE	290	28.2	16.4	9	0.333
118	BLM, STATE	25	2.4	1.4	9	0.333
133	BLM HQ, STATE	505	49.1	28.7	9	0.333
144	USACE	90	8.7	5.1	5	0.333
147	USACE	280	27.3	15.9	5	0.333
150	USACE	170	16.5	9.6	5	0.333
153	USACE	210	20.5	11.9	5	0.333
156	USACE	120	11.7	6.8	5	0.333
180	CIP	120	0.8	0.5	7	1.0
301	STATE, CAL.	190	21.6	12.6	5	0.05
302	STATE, CAL.	40	4.5	2.7	5	0.5
351	REG. X	250	28.4	16.6	5	0.05
352	REG. X	50	5.7	3.1	5	0.5

PATH 49 (NOMINAL), TOTAL LENGTH 690 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	640	92.0	92.0	2	1.0
104 USDI	690	100.0	100.0	2	1.0
108 BLM, OCS	25	2.1	1.2	5	0.5
112 BLM, STATE	100	12.4	7.2	9	0.333
115 BLM, STATE	350	43.5	25.4	9	0.333
132 BLM HQ, OCS	25	2.1	1.2	5	0.5
133 BLM HQ, STATE	450	55.9	32.6	9	0.333
144 USACE	210	26.1	15.2	5	0.333
147 USACE	320	39.8	23.1	5	0.333
150 USACE	160	19.9	11.6	5	0.333
301 STATE, CAL.	105	15.2	8.9	5	0.05
302 STATE, CAL.	25	3.6	2.1	5	0.5
351 REG. X	240	34.8	20.3	5	0.05
352 REG. X	50	7.2	4.2	5	0.5

PATH 50 (NOMINAL), TOTAL LENGTH 485 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	460	94.8	94.8	2	1.0
104 USDI	485	100.0	100.0	2	1.0
112 BLM, STATE	250	44.2	25.8	9	0.333
133 BLM HQ, STATE	250	44.2	25.8	9	0.333
144 USACE	310	54.8	32.0	5	0.333
147 USACE	140	24.7	14.4	5	0.333
351 REG. X	230	47.4	27.7	5	0.05
352 REG. X	50	10.3	6.0	5	0.5

PATH 51 (NOMINAL), TOTAL LENGTH 260 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	160	61.5	61.5	2	1.0
104 USDI	260	100.0	100.0	2	1.0
108 BLM, OCS	25	5.5	3.2	5	0.5
132 BLM HQ, OCS	25	5.5	3.2	5	0.5
144 USACE	25	8.2	4.8	5	0.333
147 USACE	150	32.9	28.8	5	0.333
346 REG. X	85	32.7	19.1	5	0.05
347 REG. X	25	9.6	5.6	5	0.5

PATH 52 (NOMINAL), TOTAL LENGTH 80 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
101 USDA	25	31.3	31.3	2	1.0
104 USDI	80	100.0	100.0	2	1.0
108 BLM, OCS	25	17.9	10.4	5	0.5
132 BLM HQ, OCS	25	17.9	10.4	5	0.5
144 USACE	80	85.7	50.0	5	0.333
346 REG. X	25	31.3	18.2	5	0.05

PATH 11 (EXPANDED), TOTAL LENGTH 220 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	50	22.7	22.7	1	1.0
103 - USDI	220	100	100	1	1.0
107 - BLM, OCS	170	44.2	25.8	2	0.333
136 - EPA	25	9.7	5.7	5	0.5
138 - EPA	25	9.7	5.7	2	0.152
140 - EPA	35	9.1	5.3	5	0.5
144 - USACE	70	27.3	15.9	5	0.061
146 - USACE	25	9.7	5.7	1	0.5
345 - REG. I	100	45.5	26.5	5	0.05
349 - REG. I	25	11.4	6.6	2	0.5
401 - COMM	25	11.4	6.6	1	0.5
504 - UNSPEC.	100	45.5	26.5	1	0.5
505 - UNSPEC.	200	90.9	53.0	1	0.5

PATH 12 (EXPANDED), TOTAL LENGTH 420 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	250	59.5	59.5	1	1.0
103 - USDI	420	100	100	1	1.0
107 - BLM. OCS.	220	29.9	17.5	2	0.333
136 - EPA	25	5.1	3.0	5	0.5
138 - EPA	125	25.5	14.9	2	0.152
140 - EPA	45	6.1	3.6	5	0.5
144 - USACE	230	46.9	27.4	5	0.061
146 - USACE	25	5.1	3.0	1	0.5
147 - USACE	30	6.1	3.6	5	0.061
345 - REG. I	310	73.8	43.1	5	0.05
349 - REG. I	40	9.5	5.6	2	0.5
401 - COMM.	25	6.0	3.5	1	0.5
504 - UNSPEC.	100	23.8	13.9	1	0.5
505 - UNSPEC.	200	47.6	27.8	1	0.5

PATH 13 (EXPANDED), TOTAL LENGTH 440 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	400	90.9	90.9	1	1.0
103 - USDI	440	100	100	1	1.0
107 - BLM, OCS	70	9.1	5.3	2	0.333
136 - EPA	40	7.8	4.5	5	0.5
138 - EPA	200	39.0	22.7	2	0.152
140 - EPA	25	3.2	1.9	5	0.5
144 - USACE	330	64.3	37.5	5	0.061
146 - USACE	35	6.8	4.0	1	0.5
147 - USACE	70	13.6	8.0	5	0.061
149 - USACE	25	4.9	2.8	1	0.5
150 - USACE	25	4.9	2.8	5	0.061
191 - FOR. SERV.	50	6.5	3.8	2	0.333
345 - REG. I	420	95.5	55.7	5	0.05
349 - REG. I	55	12.5	7.3	2	0.5
367 - REG. COMM.	200	39.0	22.7	2	0.05
401 - COMM.	40	9.1	5.3	1	0.5
504 - UNSPEC.	100	22.7	13.3	1	0.5
505 - UNSPEC.	200	45.5	26.5	1	0.5

PATH 14 (EXPANDED), TOTAL LENGTH 650 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	270	41.5	41.5	1	1.0
103 - USDI	650	100	100	1	1.0
107 - BLM. OCS	380	33.4	19.5	2	0.333
136 - EPA	30	4.0	2.3	5	0.5
138 - EPA	135	17.8	10.4	2	0.152
140 - EPA	380	33.4	19.5	5	0.5
144 - USACE	220	29.0	16.9	5	0.061
146 - USACE	25	3.3	1.9	1	0.5
147 - USACE	90	11.9	6.9	5	0.061
149 - USACE	25	3.3	1.9	1	0.5
191 - FOR. SERV.	130	11.4	6.7	2	0.333
345 - REG. I	290	44.6	26.0	5	0.05
349 - REG. I	35	5.4	3.1	2	0.5
401 - COMM.	30	4.6	2.7	1	0.5
504 - UNSPEC.	100	15.4	9.0	1	0.5
505 - UNSPEC.	200	30.8	17.9	1	0.5

PATH 15 (EXPANDED), TOTAL LENGTH 680 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	630	92.6	92.6	1	1.0
103 - USDI	680	100	100	1	1.0
107 - BLM. OCS.	50	4.2	2.5	2	0.333
136 - EPA	65	8.2	4.8	5	0.5
138 - EPA	315	39.7	23.2	2	0.152
140 - EPA	25	2.1	1.2	5	0.5
144 - USACE	290	36.6	21.3	5	0.061
146 - USACE	30	3.8	2.2	1	0.5
147 - USACE	160	20.2	11.8	5	0.061
149 - USACE	25	3.2	1.8	1	0.5
150 - USACE	60	7.6	4.4	5	0.061
152 - USACE	25	3.2	1.8	1	0.5
153 - USACE	80	10.1	5.9	5	0.061
155 - USACE	25	3.2	1.8	1	0.5
156 - USACE	120	15.1	8.8	5	0.061
158 - USACE	25	3.2	1.8	1	0.5
191 - FOR. SERV.	120	10.1	5.9	2	0.333
345 - REG. I	30	4.4	2.6	5	0.05
349 - REG. I	25	3.7	2.1	2	0.5
350 - REG. II	200	29.4	17.2	5	0.05
354 - REG. II	65	9.6	5.6	2	0.5
355 - REG. III	290	42.6	24.9	5	0.05
359 - REG. III	95	14.0	8.1	2	0.5

PATH 15 (EXPANDED), TOTAL LENGTH 680 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
360 - REG. IV	140	20.6	12.0	5	0.05
364 - REG. IV	55	8.1	4.7	2	0.5
401 - COMM.	65	9.6	5.6	1	0.5
504 - UNSPEC.	100	14.7	8.6	1	0.5
505 - UNSPEC.	200	29.4	17.2	1	0.5

PATH 16 (EXPANDED), TOTAL LENGTH 1070(NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	860	80.4	80.4	1	1.0
103 - USDI	1070	100	100	1	1.0
107 - BLM, OCS	100	5.3	3.1	2	0.333
110 - BLM, OCS	110	5.9	3.4	2	0.333
136 - EPA	90	7.2	4.2	5	0.5
138 - EPA	430	34.4	20.1	2	0.152
140 - EPA	45	2.4	1.4	5	0.5
144 - USACE	110	8.8	5.1	5	0.061
146 - USACE	25	2.0	1.2	1	0.5
147 - USACE	40	3.2	1.9	5	0.061
149 - USACE	25	2.0	1.2	1	0.5
150 - USACE	280	22.4	13.1	5	0.061
152 - USACE	30	2.4	1.4	1	0.5
153 - USACE	90	7.2	4.2	5	0.061
155 - USACE	25	2.0	1.2	1	0.5
156 - USACE	180	14.4	8.4	5	0.061
158 - USACE	25	2.0	1.2	1	0.5
159 - USACE	30	2.4	1.4	5	0.061
162 - USACE	180	14.4	8.4	5	0.061
164 - USACE	25	2.0	1.2	1	0.5
191 - FOR. SERV.	50	2.7	1.6	2	0.333
345 - REG. II	190	17.8	10.4	5	0.05
349 - REG. II	60	5.6	3.3	2	0.5
350 - REG. III	340	31.8	18.5	5	0.05

PATH 16 (EXPANDED), TOTAL LENGTH 1070 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
354 - REG. III	115	10.7	6.3	2	0.5
355 - REG. IV	400	37.4	21.8	5	0.05
359 - REG. IV	155	14.5	8.5	2	0.5
367 - REG. COMM.	200	16.0	9.3	2	0.05
401 - COMM.	90	8.4	4.9	1	0.5
504 - UNSPEC.	100	9.3	5.5	1	0.5
505 - UNSPEC.	200	18.7	10.9	1	0.5

PATH 17 (EXPANDED), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	860	74.8	74.8	1	1.0
103 - USDI	1150	100	100	1	1.0
107 - BLM, OCS.	110	5.5	3.2	2	0.333
110 - BLM, OCS.	200	9.9	5.8	2	0.333
136 - EPA	90	6.7	3.9	5	0.5
138 - EPA	430	32.0	18.7	2	0.152
140 - EPA	65	3.2	1.9	5	0.5
144 - USACE	120	8.9	5.2	5	0.061
146 - USACE	25	1.9	1.1	1	0.5
147 - USACE	270	20.1	11.7	5	0.061
149 - USACE	30	2.2	1.3	1	0.5
150 - USACE	30	2.2	1.3	5	0.061
153 - USACE	140	10.4	6.1	5	0.061
155 - USACE	25	1.9	1.1	1	0.5
156 - USACE	180	13.4	7.8	5	0.061
158 - USACE	25	1.9	1.1	1	0.5
159 - USACE	200	14.9	8.7	5	0.061
161 - USACE	25	1.9	1.1	1	0.5
181 - CIP	120	.63	.37	2	1.0
191 - FOR. SERV.	210	10.4	6.1	2	0.333
345 - REG. II	140	12.2	7.1	5	0.05
349 - REG. II	45	3.9	2.3	2	0.5
350 - REG. III	340	29.6	17.2	5	0.05

PATH 17 (EXPANDED), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
354 - REG. III	115	10.0	5.8	2	0.5
355 - REG. IV	510	44.3	25.9	5	0.05
359 - REG. IV	205	17.8	10.4	2	0.5
401 - COMM.	90	7.8	4.6	1	0.5
504 - UNSPEC.	100	8.7	5.1	1	0.5
505 - UNSPEC.	200	17.4	10.1	1	0.5

PATH 18 (EXPANDED), TOTAL LENGTH 1100 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	880	80.0	80.0	1	1.0
103 - USDI	1100	100	100	1	1.0
107 - BLM, COS.	220	11.4	6.7	2	0.333
136 - EPA	90	7.0	4.1	5	0.5
138 - EPA	440	34.3	20.0	2	0.152
140 - EPA	45	2.3	1.4	5	0.5
144 - USACE	110	8.6	5.0	5	0.061
146 - USACE	25	1.9	1.1	1	0.5
147 - USACE	250	19.5	11.4	5	0.061
149 - USACE	25	1.9	1.1	1	0.5
150 - USACE	40	3.1	1.8	5	0.061
152 - USACE	25	1.9	1.1	1	0.5
153 - USACE	90	7.0	4.1	5	0.061
155 - USACE	25	1.9	1.1	1	0.5
156 - USACE	190	14.8	8.6	5	0.061
158 - USACE	25	1.9	1.1	1	0.5
159 - USACE	200	15.6	9.1	5	0.061
161 - USACE	25	1.9	1.1	1	0.5
162 - USACE	100	7.8	4.5	5	0.061
164 - USACE	25	1.9	1.1	1	0.5
191 - FOR. SERV.	360	18.7	10.9	2	0.333
345 - REG. II	110	10.0	5.8	5	0.05
349 - REG. II	45	4.1	2.4	2	0.5

PATH 18 (EXPANDED), TOTAL LENGTH 1100 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
350 - REG. III	340	30.9	18.0	5	0.05
354 - REG. III	115	10.5	6.1	2	0.5
355 - REG. IV	540	49.1	28.6	5	0.05
359 - REG. IV	235	21.4	12.5	2	0.5
401 - COMM.	90	8.2	4.8	1	0.5
504 - UNSPEC.	100	9.1	5.3	1	0.5
505 - UNSPEC.	200	18.2	10.6	1	0.5

PATH 19 (EXPANDED), TOTAL LENGTH 860 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	750	87.2	87.2	1	1.0
103 - USDI	860	100	100	1	1.0
107 - BLM, OCS	110	7.3	4.3	2	0.333
136 - EPA	75	7.5	4.4	5	0.5
138 - EPA	375	37.4	21.8	2	0.152
140 - EPA	25	1.7	.97	5	0.5
144 - USACE	110	11.0	6.4	5	0.061
146 - USACE	25	2.5	1.5	1	0.5
147 - USACE	100	10.0	5.8	5	0.061
149 - USACE	25	2.5	1.5	1	0.5
150 - USACE	180	17.9	10.5	5	0.061
152 - USACE	25	2.5	1.5	1	0.5
153 - USACE	120	12.0	7.0	5	0.061
155 - USACE	25	2.5	1.5	1	0.5
156 - USACE	50	5.0	2.9	5	0.061
158 - USACE	25	2.5	1.5	1	0.5
159 - USACE	170	16.9	9.9	5	0.061
161 - USACE	25	2.5	1.5	1	0.5
162 - USACE	110	11.0	6.4	5	0.061
164 - USACE	25	2.5	1.5	1	0.5
191 - FOR. SERV.	440	29.2	17.1	2	0.333
193 - TVA	160	15.9	9.3	5	0.05
345 - REG. III	360	41.9	24.4	5	0.05
349 - REG. III	125	14.5	8.5	2	0.5

PATH 19 (EXPANDED), TOTAL LENGTH 860 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
350 - REG. IV	420	48.8	28.5	5	0.05
354 - REG. IV	180	20.9	12.2	2	0.5
355 - REG. V	80	9.3	5.4	5	0.05
359 - REG. V	50	5.8	3.4	2	0.5
367 - REG. COMM.	200	19.9	11.6	2	0.05
401 - COMM.	75	8.7	5.1	1	0.5
504 - UNSPEC.	100	11.6	6.8	1	0.5
505 - UNSPEC.	200	23.3	13.6	1	0.5

PATH 20 (EXPANDED), TOTAL LENGTH 780 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	720	92.3	92.3	1	1.0
103 - USDI	780	100	100	1	1.0
107 - BLM, OCS.	60	4.4	2.6	2	0.333
136 - EPA	75	8.2	4.8	5	0.5
138 - EPA	360	39.6	23.1	2	0.152
140 - EPA	25	1.8	1.1	5	0.5
144 - USACE	270	29.7	17.3	5	0.061
146 - USACE	30	3.3	1.9	1	0.5
147 - USACE	190	20.9	12.2	5	0.061
149 - USACE	25	2.7	1.6	1	0.5
150 - USACE	50	5.5	3.2	5	0.061
152 - USACE	25	2.7	1.6	1	0.5
153 - USACE	150	16.5	9.6	5	0.061
155 - USACE	25	2.7	1.6	1	0.5
156 - USACE	310	34.1	19.9	5	0.061
158 - USACE	35	3.8	2.2	1	0.5
159 - USACE	40	4.4	2.6	5	0.061
161 - USACE	25	2.7	1.6	1	0.5
191 - FOR. SERV.	440	32.2	18.8	2	0.333
345 - REG. V	200	25.6	15.0	5	0.05
349 - REG. V	120	15.4	9.0	2	0.5
350 - REG. IV	560	71.8	41.9	5	0.05
354 - REG. IV	245	31.4	18.3	2	0.5
355 - REG. III	25	3.2	1.9	5	0.05
359 - REG. III	25	3.2	1.9	2	0.5

PATH 20 (EXPANDED), TOTAL LENGTH 780 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
401 - COMM.	75	9.6	5.6	1	0.5
504 - UNSPEC.	100	12.8	7.5	1	0.5
505 - UNSPEC.	200	25.6	15.0	1	0.5

PATH 21 (EXPANDED), TOTAL LENGTH 840 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	780	92.9	92.9	1	1.0
103 - USDI	840	100	100	1	1.0
107 - BLM, OCS.	60	4.1	2.4	2	0.333
136 - EPA	80	8.2	4.8	5	0.5
138 - EPA	390	39.8	23.2	2	0.152
140 - EPA	25	1.7	.99	5	0.5
144 - USACE	320	32.7	19.0	5	0.061
146 - USACE	35	3.6	2.1	1	0.5
147 - USACE	40	4.1	2.4	5	0.061
149 - USACE	25	2.6	1.5	1	0.5
150 - USACE	50	5.1	3.0	5	0.061
152 - USACE	25	2.6	1.5	1	0.5
153 - USACE	180	18.4	10.7	5	0.061
155 - USACE	25	2.6	1.5	1	0.5
156 - USACE	170	17.3	10.1	5	0.061
158 - USACE	25	2.6	1.5	1	0.5
159 - USACE	260	26.5	15.5	5	0.061
161 - USACE	30	3.1	1.8	1	0.5
181 - CIP	120	.86	.50	2	1.0
191 - FOR. SERV.	300	20.4	11.9	2	0.333
193 - TVA	180	18.4	10.7	5	0.05
345 - REG. V	300	35.7	20.8	5	0.05
349 - REG. V	175	20.8	12.2	2	0.5
350 - REG. IV	540	64.3	37.5	5	0.5

PATH 21 (EXPANDED), TOTAL LENGTH 840 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
354 - REG. IV	235	28.0	16.3	2	0.5
401 - COMM	80	9.5	5.6	1	0.5
504 - UNSPEC.	100	11.9	6.9	1	0.5
505 - UNSPEC.	200	23.8	13.9	1	0.5

PATH 22 (EXPANDED), TOTAL LENGTH 1010 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	920	91.1	91.1	1	1.0
103 - USDI	1010	100	100	1	1.0
107 - BLM, COS.	90	5.1	3.0	2	0.333
136 - EPA	95	8.1	4.7	5	0.5
138 - EPA	460	39.0	22.8	2	0.152
140 - EPA	25	1.4	.83	5	0.5
144 - USACE	330	28.0	16.3	5	0.061
146 - USACE	35	3.0	1.7	1	0.5
147 - USACE	270	22.9	13.4	5	0.061
149 - USACE	30	2.5	1.5	1	0.5
150 - USACE	140	11.9	6.9	5	0.061
152 - USACE	25	2.1	1.2	1	0.5
153 - USACE	250	21.2	12.4	5	0.061
155 - USACE	25	2.1	1.2	1	0.5
191 - FOR. SERV.	110	6.2	3.6	2	0.333
193 - TVA	140	11.9	6.9	5	0.05
345 - REG. V	440	43.6	25.4	5	0.05
349 - REG. V	255	25.2	14.7	2	0.5
350 - REG. IV	520	51.5	30.0	5	0.5
354 - REG. IV	225	22.3	13.0	2	0.5
367 - REG. COMM.	200	17.0	9.9	2	0.05
401 - COMM.	95	9.4	5.5	1	0.5
504 - UNSPEC.	100	9.9	5.8	1	0.5
505 - UNSPEC.	200	19.8	11.6	1	0.5

PATH 23 (EXPANDED), TOTAL LENGTH 1090 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1030	94.5	94.5	1	1.0
103 - USDI	1090	100	100	1	1.0
107 - BLM, OCS.	60	3.1	1.8	2	0.333
136 - EPA	105	8.3	4.8	5	0.5
138 - EPA	515	40.5	23.6	2	0.152
140 - EPA	25	1.3	.76	5	0.5
144 - USACE	320	25.2	14.7	5	0.061
146 - USACE	35	2.8	1.6	1	0.5
147 - USACE	270	21.2	12.4	5	0.061
149 - USACE	30	2.4	1.4	1	0.5
150 - USACE	160	12.6	7.3	5	0.061
152 - USACE	25	2.0	1.1	1	0.5
153 - USACE	260	20.4	11.9	5	0.061
155 - USACE	30	2.4	1.4	1	0.5
156 - USACE	60	4.7	2.8	5	0.061
158 - USACE	25	2.0	1.1	1	0.5
178 - BIA	25	2.0	1.1	2	0.152
191 - FOR. SERV.	300	15.7	9.2	2	0.333
193 - TVA	160	12.6	7.3	5	0.05
345 - REG. V	530	48.6	28.4	5	0.05
349 - REG. V	310	28.4	16.6	2	0.5
350 - REG. IV	470	43.1	25.2	5	0.05
354 - REG. IV	215	19.7	11.5	2	0.5
355 - REG. VI	80	7.3	4.3	5	0.05
359 - REG. VI	45	4.1	2.4	2	0.5

PATH 23 (EXPANDED), TOTAL LENGTH 1090 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
401 - COMM.	105	9.6	5.6	1	0.5
504 - UNSPEC.	100	9.2	5.4	1	0.5
505 - UNSPEC.	200	18.3	10.7	1	0.5

PATH 24 (EXPANDED), TOTAL LENGTH 950 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	880	92.6	92.6	1	1.0
103 - USDI	950	100	100	1	1.0
107 - BLM, OCS.	70	4.2	2.5	2	0.333
136 - EPA	90	8.1	4.7	5	0.5
138 - EPA	440	39.7	23.2	2	0.152
140 - EPA	25	1.5	.88	5	0.5
144 - USACE	310	28.0	16.3	5	0.061
146 - USACE	35	3.2	1.8	1	0.5
147 - USACE	140	12.6	7.4	5	0.061
149 - USACE	25	2.3	1.3	1	0.5
150 - USACE	230	20.8	12.1	5	0.061
152 - USACE	25	2.3	1.3	1	0.5
153 - USACE	180	16.2	9.5	5	0.061
155 - USACE	25	2.3	1.3	1	0.5
156 - USACE	25	2.3	1.3	5	0.061
159 - USACE	140	12.6	7.4	5	0.061
161 - USACE	25	2.3	1.3	1	0.5
162 - USACE	200	18.0	10.5	5	0.061
164 - USACE	25	2.3	1.3	1	0.5
165 - USACE	150	13.5	7.9	5	0.061
167 - USACE	25	2.3	1.3	1	0.5
191 - FOR. SERV.	280	16.8	9.8	2	0.333
193 - TVA	120	10.8	6.3	5	0.05

PATH 24 (EXPANDED), TOTAL LENGTH 950 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
345 - REG. V	600	63.2	36.8	5	0.05
349 - REG. V	350	36.8	21.5	2	0.5
350 - REG. IV	380	40.0	23.3	5	0.05
354 - REG. IV	170	17.9	10.4	2	0.5
355 - REG. VI	130	13.7	8.0	5	0.05
359 - REG. VI	95	10.0	5.8	2	0.5
401 - COMM.	90	9.5	5.5	1	0.5
504 - UNSPEC.	100	10.5	6.1	1	0.5
505 - UNSPEC.	200	21.1	12.3	1	0.5

PATH 25 (EXPANDED), TOTAL LENGTH 1110 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1040	93.7	93.7	1	1.0
103 - USDI	1110	100	100	1	1.0
107 - BLM, OCS.	80	4.1	2.4	2	0.333
136 - EPA	105	8.1	4.7	5	0.5
138 - EPA	520	40.2	23.4	2	0.152
140 - EPA	25	1.3	.75	5	0.5
144 - USACE	130	10.0	5.9	5	0.061
146 - USACE	25	1.9	1.1	1	0.5
147 - USACE	400	30.9	18.0	5	0.061
149 - USACE	40	3.1	1.8	1	0.5
150 - USACE	160	12.4	7.2	5	0.061
152 - USACE	25	1.9	1.1	1	0.5
153 - USACE	200	15.4	9.0	5	0.061
155 - USACE	25	1.9	1.1	1	0.5
156 - USACE	160	12.4	7.2	5	0.061
158 - USACE	25	1.9	1.1	1	0.5
159 - USACE	110	8.5	5.0	5	0.061
161 - USACE	25	1.9	1.1	1	0.5
181 - CIP	120	.65	.38	2	1.0
191 - FOR. SERV.	250	12.9	7.5	2	0.333
345 - REG. V	540	48.6	28.4	5	0.05
349 - REG. V	315	28.4	16.6	2	0.5
350 - REG. VII	100	9.0	5.3	5	0.05
354 - REG. VII	90	8.1	4.7	2	0.5

PATH 25 (EXPANDED), TOTAL LENGTH 1110 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
355 - REG. VI	420	37.8	22.1	5	0.05
359 - REG. VI	290	26.1	15.2	2	0.5
367 - REG. COMM.	200	15.4	9.0	2	0.05
401 - COMM.	105	9.5	5.5	1	0.5
504 - UNSPEC.	100	9.0	5.3	1	0.5
505 - UNSPEC.	200	18.0	10.5	1	0.5

PATH 26 (EXPANDED), TOTAL LENGTH 1170 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1090	93.2	93.2	1	1.0
103 - USDI	1170	100	100	1	1.0
107 - BLM, OCS.	80	3.9	2.3	2	0.333
136 - EPA	110	8.1	4.7	5	0.5
138 - EPA	545	39.3	23.3	2	0.152
140 - EPA	25	1.2	.71	5	0.5
144 - USACE	210	15.4	9.0	5	0.061
146 - USACE	25	1.8	1.1	1	0.5
147 - USACE	150	11.0	6.4	5	0.061
149 - USACE	25	1.8	1.1	1	0.5
150 - USACE	250	18.3	10.7	5	0.061
152 - USACE	25	1.8	1.1	1	0.5
153 - USACE	170	12.5	7.3	5	0.061
155 - USACE	25	1.8	1.1	1	0.5
156 - USACE	25	1.8	1.1	5	0.061
159 - USACE	200	14.7	8.5	5	0.061
161 - USACE	25	1.8	1.1	1	0.5
162 - USACE	80	5.9	3.4	5	0.061
164 - USACE	25	1.8	1.1	1	0.5
165 - USACE	100	7.3	4.3	5	0.061
167 - USACE	25	1.8	1.1	1	0.5
168 - USACE	70	5.1	3.0	5	0.061
170 - USACE	25	1.8	1.1	1	0.5

PATH 26 (EXPANDED), TOTAL LENGTH 1170 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
171 - USACE	60	4.4	2.6	5	0.061
173 - USACE	25	1.8	1.1	1	0.5
191 - FOR. SERV.	390	19.0	11.1	2	0.333
345 - REG. V	520	44.4	25.9	5	0.05
349 - REG. V	305	26.1	15.2	2	0.5
350 - REG. VII	190	16.2	9.5	5	0.05
354 - REG. VII	170	14.5	8.5	2	0.5
355 - REG. VI	440	37.6	21.9	5	0.05
359 - REG. VI	305	26.1	15.2	2	0.5
401 - COMM.	110	9.4	5.5	1	0.5
504 - UNSPEC.	100	8.5	5.0	1	0.5
505 - UNSPEC.	200	17.1	10.0	1	0.5

PATH 27 (EXPANDED), TOTAL LENGTH 1280 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1110	86.7	86.7	1	1.0
103 - USDI	1280	100	100	1	1.0
107 - BLM, OCS.	170	7.6	4.4	2	0.333
136 - EPA	115	7.7	4.5	5	0.5
138 - EPA	555	37.2	21.7	2	0.152
140 - EPA	35	1.6	.91	5	0.5
144 - USACE	340	22.8	13.3	5	0.061
146 - USACE	35	2.3	1.4	1	0.5
147 - USACE	180	12.1	7.0	5	0.061
149 - USACE	25	1.7	.98	1	0.5
150 - USACE	50	3.3	2.0	5	0.061
152 - USACE	25	1.7	.98	1	0.5
153 - USACE	160	10.7	6.3	5	0.061
155 - USACE	25	1.7	.98	1	0.5
156 - USACE	160	10.7	6.3	5	0.061
158 - USACE	25	1.7	.98	1	0.5
159 - USACE	60	4.0	2.3	5	0.061
161 - USACE	25	1.7	.98	1	0.5
162 - USACE	70	4.7	2.7	5	0.061
164 - USACE	25	1.7	.98	1	0.5
165 - USACE	100	6.7	3.9	5	0.061
167 - USACE	25	1.7	.98	1	0.5
168 - USACE	130	8.7	5.1	5	0.061
170 - USACE	25	1.7	.98	1	0.5

PATH 27 (EXPANDED), TOTAL LENGTH 1280 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
191 - FOR. SERV.	420	18.8	10.9	2	0.333
345 - REG. V	260	20.3	11.8	5	0.05
349 - REG. V	150	11.7	6.8	2	0.5
350 - REG. VII	400	31.3	18.2	5	0.05
354 - REG. VII	360	28.1	16.4	2	0.5
355 - REG. VI	490	38.3	22.3	5	0.05
359 - REG. VI	345	27.0	15.7	2	0.5
401 - COMM.	115	9.0	5.2	1	0.5
504 - UNSPEC.	100	7.8	4.6	1	0.5
505 - UNSPEC.	200	15.6	9.1	1	0.5

PATH 28 (EXPANDED), TOTAL LENGTH 1310 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1310	100	100	1	1.0
103 - USDI	1310	100	100	1	1.0
136 - EPA	135	8.8	5.2	5	0.5
138 - EPA	655	42.9	25.0	2	0.152
144 - USACE	270	17.7	10.3	5	0.061
146 - USACE	30	2.0	1.1	1	0.5
147 - USACE	160	10.5	6.1	5	0.061
149 - USACE	25	1.6	.95	1	0.5
150 - USACE	220	14.4	8.4	5	0.061
152 - USACE	25	1.6	.95	1	0.5
153 - USACE	270	17.7	10.3	5	0.061
155 - USACE	30	2.0	1.1	1	0.5
156 - USACE	25	1.6	.95	5	0.061
159 - USACE	170	11.1	6.5	5	0.061
161 - USACE	25	1.6	.95	1	0.5
162 - USACE	260	17.0	9.9	5	0.061
164 - USACE	30	2.0	1.1	1	0.5
191 - FOR. SERV.	230	10.0	5.9	2	0.333
345 - REG. V	290	22.1	12.9	5	0.05
349 - REG. V	170	13.0	7.6	2	0.5
350 - REG. VII	400	30.5	17.8	5	0.05
354 - REG. VII	360	27.5	16.0	2	0.5
355 - REG. VI	670	51.1	29.8	5	0.05
359 - REG. VI	475	36.3	21.2	2	0.5

PATH 28 (EXPANDED), TOTAL LENGTH 1310 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
367 - REG. COMM.	200	13.1	7.6	2	0.05
401 - COMM.	135	10.3	6.0	1	0.5
504 - UNSPEC.	100	7.6	4.5	1	0.5
505 - UNSPEC.	200	15.3	8.9	1	0.5

PATH 29 (EXPANDED), TOTAL LENGTH 1380 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1380	100	100	1	1.0
103 - USDI	1380	100	100	1	1.0
136 - EPA	140	8.7	5.1	5	0.5
138 - EPA	690	42.9	25.0	2	0.152
144 - USACE	300	18.6	10.9	5	0.061
146 - USACE	30	1.9	1.1	1	0.5
147 - USACE	120	7.5	4.3	5	0.061
149 - USACE	25	1.6	.91	1	0.5
150 - USACE	210	13.0	7.6	5	0.061
152 - USACE	25	1.6	.91	1	0.5
153 - USACE	270	16.8	9.8	5	0.061
155 - USACE	30	1.9	1.1	1	0.5
156 - USACE	430	26.7	15.6	5	0.061
158 - USACE	45	2.8	1.6	1	0.5
178 - BIA	25	1.6	0.9	2	0.152
181 - CIP	120	.52	.30	2	1.0
191 - FOR. SERV.	100	4.1	2.4	2	0.333
345 - REG. VI	640	46.4	27.1	5	0.05
349 - REG. VI	465	33.7	19.7	2	0.5
350 - REG. VII	240	17.4	10.1	5	0.05
354 - REG. VII	215	15.6	9.1	2	0.5
355 - REG. V	300	21.7	12.7	5	0.05
359 - REG. V	175	12.7	7.4	2	0.5

PATH 29 (EXPANDED), TOTAL LENGTH 1380 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
401 - COMM	140	10.1	5.9	1	0.5
504 - UNSPEC.	100	7.2	4.2	1	0.5
505 - UNSPEC.	200	14.5	8.5	1	0.5

PATH 30 (EXPANDED), TOTAL LENGTH 1290 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1290	100	100	1	1.0
103 - USDI	1290	100	100	1	1.0
136 - EPA	130	8.6	5.0	5	0.5
138 - EPA	645	42.9	25.0	2	0.152
144 - USACE	300	19.9	11.6	5	0.061
146 - USACE	30	2.0	1.2	1	0.5
147 - USACE	25	1.7	.97	5	0.061
150 - USACE	190	12.6	7.4	5	0.061
152 - USACE	25	1.7	.97	1	0.5
153 - USACE	110	7.3	4.3	5	0.061
155 - USACE	25	1.7	.97	1	0.5
156 - USACE	310	20.6	12.0	5	0.061
158 - USACE	35	2.3	1.4	1	0.5
159 - USACE	340	22.6	13.2	5	0.061
161 - USACE	35	.23	1.4	1	0.5
178 - BIA	60	4.0	.23	2	0.152
191 - FOR. SERV.	100	4.4	2.6	2	0.333
345 - REG. VI	430	33.3	19.4	5	0.05
349 - REG. VI	315	24.4	14.2	2	0.5
350 - REG. VII	440	34.1	19.9	5	0.05
354 - REG. VII	395	30.6	17.9	2	0.5
355 - REG. V	180	14.0	8.1	5	0.05
359 - REG. V	105	8.1	4.7	2	0.5

PATH 30 (EXPANDED), TOTAL LENGTH 1290 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
401 - COMM	130	10.1	5.9	1	0.5
504 - UNSPEC.	100	7.8	4.5	1	0.5
505 - UNSPEC.	200	15.5	9.0	1	0.5

PATH 31 (EXPANDED), TOTAL LENGTH 1250 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1250	100	100	1	1.0
103 - USDI	1250	100	100	1	1.0
136 - EPA	125	8.6	5.0	5	0.5
138 - EPA	625	42.9	25.0	2	0.152
144 - USACE	280	19.2	11.2	5	0.061
146 - USACE	30	2.1	1.2	1	0.5
147 - USACE	190	13.0	7.6	5	0.061
149 - USACE	25	1.7	1.0	1	0.5
150 - USACE	150	10.3	6.0	5	0.061
152 - USACE	25	1.7	1.0	1	0.5
153 - USACE	25	1.7	1.0	5	0.061
156 - USACE	300	20.6	12.0	5	0.061
158 - USACE	30	2.1	1.2	1	0.5
159 - USACE	260	17.8	10.4	5	0.061
161 - USACE	30	2.1	1.2	1	0.5
178 - BIA	90	6.2	3.6	2	0.152
181 - CIP	120	.58	.34	2	1.0
191 - FOR. SERV.	50	2.3	1.3	2	0.333
345 - REG. VI	350	28.0	16.3	5	0.05
349 - REG. VI	255	20.4	11.9	2	0.5
350 - REG. VII	390	31.2	18.2	5	0.05
354 - REG. VII	350	28.0	16.3	2	0.5
355 - REG. VIII	50	4.0	2.3	5	0.05
359 - REG. VIII	35	2.8	1.6	2	0.5

PATH 31 (EXPANDED), TOTAL LENGTH 1250 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
367 - REG. COMM.	200	13.7	8.0	2	0.05
401 - COMM.	125	10.0	5.8	1	0.5
504 - UNSPEC.	100	8.0	4.7	1	0.5
505 - UNSPEC.	200	16.0	9.3	1	0.5

PATH 32 (EXPANDED), TOTAL LENGTH 1250 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1250	100	100	1	1.0
103 - USDI	1250	100	100	1	1.0
136 - EPA	125	8.6	5.0	5	0.5
138 - EPA	625	42.9	25.0	2	0.152
144 - USACE	210	14.4	8.4	5	0.061
146 - USACE	25	1.7	1.0	1	0.5
147 - USACE	310	21.3	12.4	5	0.061
149 - USACE	35	2.4	1.4	1	0.5
150 - USACE	120	8.2	4.8	5	0.061
152 - USACE	25	1.7	1.0	1	0.5
153 - USACE	160	11.0	6.4	5	0.061
155 - USACE	25	1.7	1.0	1	0.5
156 - USACE	240	16.5	9.6	5	0.061
158 - USACE	25	1.7	1.0	1	0.5
159 - USACE	170	11.7	6.8	5	0.061
161 - USACE	25	1.7	1.0	1	0.5
178 - BIA	40	2.7	1.6	2	0.152
345 - REG. VI	320	25.6	14.9	5	0.05
349 - REG. VI	235	18.8	11.0	2	0.5
350 - REG. VII	390	31.2	18.2	5	0.05
354 - REG. VII	350	28.0	16.3	2	0.5
355 - REG. VIII	250	20.0	11.7	5	0.05
359 - REG. VIII	160	12.8	7.5	2	0.5
360 - REG. V	160	12.8	7.5	5	0.05
364 - REG. V	95	7.6	4.4	2	0.5

PATH 32 (EXPANDED), TOTAL LENGTH 1250 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
401 - COMM.	125	10.0	5.8	1	0.5
504 - UNSPEC.	100	8.0	4.7	1	0.5
505 - UNSPEC.	200	16.0	9.3	1	0.5

PATH 33 (EXPANDED), TOTAL LENGTH 1260 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1260	100	100	1	1.0
103 - USDI	1260	100	100	1	1.0
112 - BLM, STATE	25	1.7	.99	9	0.152
136 - EPA	130	8.8	5.2	5	0.5
138 - EPA	630	42.9	25.0	2	0.152
144 - USACE	150	10.2	6.0	5	0.061
146 - USACE	25	1.7	.99	1	0.5
147 - USACE	350	23.8	13.9	5	0.061
149 - USACE	35	2.4	1.4	1	0.5
150 - USACE	140	9.5	5.6	5	0.061
152 - USACE	25	1.7	.99	1	0.5
153 - USACE	240	16.3	9.5	5	0.061
155 - USACE	25	1.7	.99	1	0.5
156 - USACE	180	12.2	7.1	5	0.061
158 - USACE	25	1.7	.99	1	0.5
159 - USACE	160	10.9	6.3	5	0.061
161 - USACE	25	1.7	.99	1	0.5
178 - BIA	30	2.0	1.2	2	0.152
181 - CIP	120	.57	.33	2	1.0
191 - FOR. SERV.	30	1.4	.79	2	0.333
345 - REG. VI	500	39.7	23.1	5	0.05
349 - REG. VI	365	29.0	16.9	2	0.5
350 - REG. VII	450	35.7	20.8	5	0.05
354 - REG. VII	405	32.1	18.7	2	0.5

PATH 33 (EXPANDED), TOTAL LENGTH 1260 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
355 - REG. VIII	410	32.5	19.0	5	0.05
359 - REG. VIII	260	20.6	12.0	2	0.5
401 - COMM.	130	10.3	6.0	1	0.5
504 - UNSPEC.	100	7.9	4.6	1	0.5
505 - UNSPEC.	200	15.9	9.3	1	0.5

PATH 34 (EXPANDED), TOTAL LENGTH 1190 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1190	100	100	1	1.0
103 - USDI	1190	100	100	1	1.0
112 - BLM, STATE	150	10.8	6.3	9	0.152
114 - BLM, STATE	25	1.8	1.1	2	0.5
115 - BLM, STATE	90	6.5	3.8	9	0.152
117 - BLM, STATE	25	1.8	1.1	2	0.5
136 - EPA	120	8.6	5.0	5	0.5
138 - EPA	595	42.9	25.0	2	0.152
144 - USACE	80	5.8	3.4	5	0.061
146 - USACE	25	1.8	1.1	1	0.5
147 - USACE	420	30.3	17.6	5	0.061
149 - USACE	45	3.2	1.9	1	0.5
150 - USACE	120	8.6	5.0	5	0.061
152 - USACE	25	1.8	1.1	1	0.5
153 - USACE	440	31.7	18.5	5	0.061
155 - USACE	45	3.2	1.9	1	0.5
156 - USACE	80	5.8	3.4	5	0.061
158 - USACE	25	1.8	1.1	1	0.5
178 - BIA	160	11.5	6.7	2	0.152
191 - FOR. SERV.	50	2.4	1.4	2	0.333
345 - REG. VI	420	35.3	20.6	5	0.05
349 - REG. VI	305	25.6	15.0	2	0.5
350 - REG. VIII	630	52.9	30.9	5	0.05
354 - REG. VIII	400	33.6	19.6	2	0.5

PATH 34 (EXPANDED), TOTAL LENGTH 1190 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
355 - REG. VII	190	16.0	9.3	5	0.05
359 - REG. VII	170	14.3	8.3	2	0.5
367 - REG. COMM	200	14.4	8.4	2	0.05
401 - COMM.	120	10.1	5.9	1	0.5
504 - UNSPEC.	100	8.4	4.9	1	0.5
505 - UNSPEC.	200	16.8	9.8	1	0.5

PATH 35 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1120	100	100	1	1.0
103 - USDI	1120	100	100	1	1.0
112 - BLM, STATE	230	17.6	10.3	9	0.152
114 - BLM, STATE	25	1.9	1.1	2	0.5
115 - BLM, STATE	100	7.7	4.5	9	0.152
117 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	115	8.8	5.1	5	0.5
138 - EPA	560	42.9	25.0	2	0.152
144 - USACE	80	6.1	3.6	5	0.061
146 - USACE	25	1.9	1.1	1	0.5
147 - USACE	520	39.8	23.2	5	0.061
159 - USACE	55	4.2	2.5	1	0.5
178 - BIA	240	18.4	10.7	2	0.152
191 - FOR. SERV.	300	15.3	8.9	2	0.333
345 - REG. VI	360	32.1	18.7	5	0.05
349 - REG. VI	265	23.7	13.8	2	0.5
350 - REG. VIII	680	60.7	35.4	5	0.05
354 - REG. VIII	430	38.4	22.4	2	0.5
355 - REG. VII	140	12.5	7.3	5	0.05
359 - REG. VII	125	11.2	6.5	2	0.5
401 - COMM.	115	10.3	6.0	1	0.5
504 - UNSPEC.	100	8.9	5.2	1	0.5
505 - UNSPEC.	200	17.9	10.4	1	0.5

PATH 36 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1120	100	100	1	1.0
103 - USDI	1120	100	100	1	1.0
112 - BLM, STATE	310	23.7	13.8	9	0.152
114 - BLM, STATE	35	2.7	1.6	2	0.5
115 - BLM, STATE	150	11.5	6.7	9	0.152
117 - BLM, STATE	25	1.9	1.1	2	0.5
118 - BLM, STATE	100	7.7	4.5	9	0.152
120 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	115	8.8	5.1	5	0.5
138 - EPA	560	42.9	25.0	2	0.152
144 - USACE	50	3.8	2.2	5	0.061
146 - USACE	25	1.9	1.1	1	0.5
147 - USACE	560	42.9	25.0	5	0.061
149 - USACE	60	4.6	2.7	1	0.5
150 - USACE	500	38.3	22.3	5	0.061
152 - USACE	50	3.8	2.2	1	0.5
178 - BIA	160	12.2	7.1	2	0.152
191 - FOR. SERV.	590	30.1	17.6	2	0.333
345 - REG. VI	350	31.3	18.2	5	0.05
349 - REG. VI	255	22.8	13.3	2	0.5
350 - REG. VIII	800	71.4	41.7	5	0.05
354 - REG. VII	505	45.1	26.3	2	0.5
401 - COMM.	115	10.3	6.0	1	0.5
504 - UNSPEC.	100	8.9	5.2	1	0.5
505 - UNSPEC.	200	17.9	10.4	1	0.5

PATH 37 (EXPANDED), TOTAL LENGTH 1130 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1130	100	100	1	1.0
103 - USDI	1130	100	100	1	1.0
112 - BLM, STATE	90	6.8	4.0	9	0.152
114 - BLM, STATE	25	1.9	1.1	2	0.5
115 - BLM, STATE	310	23.5	13.7	9	0.152
117 - BLM, STATE	35	2.7	1.5	2	0.5
118 - BLM, STATE	100	7.6	4.4	9	0.152
120 - BLM, STATE	25	1.9	1.1	2	0.5
121 - BLM, STATE	140	10.6	6.2	9	0.152
123 - BLM, STATE	25	1.9	1.1	2	0.5
124 - BLM, STATE	100	7.6	4.4	9	0.152
126 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	115	8.7	5.1	5	0.5
138 - EPA	565	42.9	25.0	2	0.152
144 - USACE	25	1.9	1.1	5	0.061
147 - USACE	510	38.7	22.6	5	0.061
149 - USACE	55	4.2	2.4	1	0.5
150 - USACE	540	41.0	23.9	5	0.061
152 - USACE	55	4.2	2.4	1	0.5
153 - USACE	150	11.4	6.6	5	0.061
155 - USACE	25	1.9	1.1	1	0.5
178 - BIA	160	12.1	7.1	2	0.152
181 - CIP	120	.64	.37	2	1.0
191 - FOR. SERV.	620	31.4	18.3	2	0.333

PATH 37 (EXPANDED), TOTAL LENGTH 1130 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
345 - REG. IX	40	3.5	2.1	5	0.05
349 - REG. IX	25	2.2	1.3	2	0.5
350 - REG. VI	300	26.5	15.5	5	0.05
354 - REG. VI	220	19.5	11.4	2	0.5
355 - REG. VIII	790	69.9	40.8	5	0.05
359 - REG. VIII	500	44.2	25.8	2	0.5
367 - REG. COMM.	200	15.2	8.8	2	0.05
401 - COMM.	115	10.2	5.9	1	0.5
504 - UNSPEC.	100	8.8	5.2	1	0.5
505 - UNSPEC.	200	17.7	10.3	1	0.5

PATH 38 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1120	100	100	1	1.0
103 - USDI	1120	100	100	1	1.0
112 - BLM, STATE	90	6.9	4.0	9	0.152
114 - BLM, STATE	25	1.9	1.1	2	0.5
118 - BLM, STATE	25	1.9	1.1	9	0.152
121 - BLM, STATE	230	17.6	10.3	9	0.152
123 - BLM, STATE	25	1.9	1.1	2	0.5
124 - BLM, STATE	250	19.1	11.2	9	0.152
126 - BLM, STATE	25	1.9	1.1	2	0.5
127 - BLM, STATE	220	16.8	9.8	9	0.152
129 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	115	8.8	5.1	5	0.5
138 - EPA	560	42.9	25.0	2	0.152
144 - USACE	470	36.0	21.0	5	0.061
146 - USACE	50	3.8	2.2	1	0.5
147 - USACE	610	46.7	27.2	5	0.061
149 - USACE	65	5.0	2.9	1	0.5
178 - BIA	380	29.1	17.0	2	0.152
191 - FOR. SERV.	580	29.6	17.3	2	0.333
345 - REG. IX	350	31.3	18.2	5	0.05
349 - REG. IX	145	12.9	7.6	2	0.5
350 - REG. VI	25	2.2	1.3	5	0.05
354 - REG. VI	25	2.2	1.3	2	0.5

PATH 38 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
355 - REG. VIII	800	71.4	41.7	5	0.05
359 - REG. VIII	505	45.1	26.3	2	0.5
401 - COMM	115	10.3	6.0	1	0.5
504 - UNSPEC.	100	8.9	5.2	1	0.5
505 - UNSPEC.	200	17.9	10.4	1	0.5

PATH 39 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1120	100	100	1	1.0
103 - USDI	1120	100	100	1	1.0
112 - BLM, STATE	150	11.5	6.7	9	0.152
114 - BLM, STATE	25	1.9	1.1	2	0.5
115 - BLM, STATE	240	18.4	10.7	9	0.152
117 - BLM, STATE	25	1.9	1.1	2	0.5
118 - BLM, STATE	50	3.8	2.2	9	0.152
120 - BLM, STATE	25	1.9	1.1	2	0.5
121 - BLM, STATE	240	18.4	10.7	9	0.152
123 - BLM, STATE	25	1.9	1.1	2	0.5
124 - BLM, STATE	150	11.5	6.7	9	0.152
126 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	115	8.8	5.1	5	0.5
138 - EPA	560	42.9	25.0	2	0.152
144 - USACE	410	31.4	18.3	5	0.061
146 - USACE	45	3.4	2.0	1	0.5
147 - USACE	650	49.7	29.0	5	0.061
149 - USACE	65	5.0	2.9	1	0.5
178 - BIA	580	44.4	25.9	2	0.152
191 - FOR. SERV.	470	24.0	14.0	2	0.333
345 - REG. IX	350	31.3	18.2	5	0.05
349 - REG. IX	145	12.9	7.6	2	0.5
350 - REG. VIII	790	70.5	41.1	5	0.05
354 - REG. VIII	500	44.6	26.0	2	0.5

PATH 39 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
401 - COMM.	115	10.3	6.0	1	0.5
504 - UNSPEC.	100	8.9	5.2	1	0.5
505 - UNSPEC.	200	17.9	10.4	1	0.5

PATH 40 (EXPANDED), TOTAL LENGTH 1100 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1100	100	100	1	1.0
103 - USDI	1100	100	100	1	1.0
112 - BLM, STATE	200	15.6	9.1	9	0.152
114 - BLM, STATE	25	1.9	1.1	2	0.5
115 - BLM, STATE	220	17.1	10.0	9	0.152
117 - BLM, STATE	25	1.9	1.1	2	0.5
118 - BLM, STATE	170	13.2	7.7	9	0.152
120 - BLM, STATE	25	1.9	1.1	2	0.5
121 - BLM, STATE	220	17.1	10.0	9	0.152
123 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	110	8.6	5.0	5	0.5
138 - EPA	550	42.9	25.0	2	0.152
114 - USACE	740	57.7	33.6	5	0.061
146 - USACE	75	5.8	3.4	1	0.5
147 - USACE	390	30.4	17.7	5	0.061
149 - USACE	40	3.1	1.8	1	0.5
178 - BIA	390	30.4	17.7	2	0.152
191 - FOR. SERV.	620	32.2	18.8	2	0.333
345 - REG. IX	330	30.0	17.5	5	0.05
349 - REG. IX	135	12.3	7.2	2	0.5
350 - REG. VIII	810	73.6	43.0	5	0.05
354 - REG. VIII	515	46.8	27.3	2	0.5
367 - REG. COMM.	200	15.6	9.1	2	0.05
401 - COMM.	110	10.0	5.8	1	0.5
504 - UNSPEC.	100	9.1	5/3	1	0.5
505 - UNSPEC.	200	18.2	10.6	1	0.5

PATH 41 (EXPANDED), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1150	100	100	1	1.0
103 - USDI	1150	100	100	1	1.0
112 - BLM, STATE	250	18.6	10.9	9	0.152
114 - BLM, STATE	25	1.9	1.1	2	0.5
115 - BLM, STATE	25	1.9	1.1	9	0.152
118 - BLM, STATE	230	17.1	10.0	9	0.152
120 - BLM, STATE	25	1.9	1.1	2	0.5
121 - BLM, STATE	90	6.7	3.9	9	0.152
123 - BLM, STATE	25	1.9	1.1	2	0.5
127 - BLM, STATE	170	12.7	7.4	9	0.152
129 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	115	8.6	5.0	5	0.5
138 - EPA	575	42.9	25.0	2	0.152
144 - USACE	280	20.9	12.2	5	0.061
146 - USACE	30	2.2	1.3	1	0.5
147 - USACE	120	8.9	5.2	5	0.061
149 - USACE	125	1.9	1.1	1	0.5
150 - USACE	310	23.1	13.5	5	0.061
152 - USACE	35	2.6	1.5	1	0.5
153 - USACE	320	23.9	13.9	5	0.061
155 - USACE	35	2.6	1.5	1	0.5
178 - BIA	160	11.9	7.0	2	0.152
191 - FOR. SERV.	660	32.8	19.1	2	0.333

PATH 41 (EXPANDED), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
345 - REG. IX	300	26.1	15.2	5	0.05
349 - REG. IX	125	10.9	6.3	2	0.5
350 - REG. VIII	720	62.6	36.5	5	0.05
354 - REG. VIII	455	39.6	23.1	2	0.5
401 - COMM.	115	10.0	5.8	1	0.5
504 - UNSPEC.	100	8.7	5.1	1	0.5
505 - UNSPEC.	200	17.4	10.1	1	0.5

PATH 42 (EXPANDED), TOTAL LENGTH 1060 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1060	100	100	1	1.0
103 - USDI	1060	100	100	1	1.0
112 - BLM, STATE	190	15.4	9.0	9	0.152
114 - BLM, STATE	25	2.0	1.2	2	0.5
115 - BLM, STATE	290	23.5	13.7	9	0.152
117 - BLM, STATE	30	2.4	1.4	2	0.5
118 - BLM, STATE	200	16.2	9.4	9	0.152
120 - BLM, STATE	25	2.0	1.2	2	0.5
121 - BLM, STATE	140	11.3	6.6	9	0.152
123 - BLM, STATE	25	2.0	1.2	2	0.5
124 - BLM, STATE	200	16.2	9.4	9	0.152
126 - BLM, STATE	25	2.0	1.2	2	0.5
136 - EPA	115	9.3	5.4	5	0.5
138 - EPA	575	46.5	27.1	2	0.152
144 - USACE	380	30.7	17.9	5	0.061
146 - USACE	40	3.2	1.9	1	0.5
147 - USACE	260	21.0	12.3	5	0.061
149 - USACE	30	2.4	1.4	1	0.5
150 - USACE	150	12.1	7.1	5	0.061
152 - USACE	25	2.0	1.2	1	0.5
153 - USACE	300	24.3	14.2	5	0.061
155 - USACE	30	2.4	1.4	1	0.5
178 - BIA	100	8.1	4.7	2	0.152
181 - CIP	120	.68	.40	2	1.0
191 - FOR. SERV.	480	25.9	15.1	2	0.333

PATH 42 (EXPANDED), TOTAL LENGTH 1060 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
345 - REG. IX	430	40.6	23.7	5	0.05
349 - REG. IX	175	16.5	9.6	2	0.5
350 - REG. VIII	510	48.1	28.1	5	0.05
354 - REG. VIII	325	30.7	17.9	2	0.5
355 - REG. X	180	17.0	9.9	5	0.05
359 - REG. X	60	5.7	3.3	2	0.5
401 - COMM.	110	10.4	6.1	1	0.5
504 - UNSPEC.	100	9.4	5.5	1	0.5
505 - UNSPEC.	200	18.9	11.0	1	0.5

PATH 43 (EXPANDED), TOTAL LENGTH 1070 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	1030	96.3	96.3	1	1.0
103 - USDI	1070	100	100	1	1.0
107 - BLM, OCS.	40	2.1	1.2	2	0.333
112 - BLM, STATE	230	18.4	10.7	9	0.152
114 - BLM, STATE	25	2.0	1.2	2	0.5
115 - BLM, STATE	320	25.6	15.0	9	0.152
117 - BLM, STATE	35	2.8	1.6	2	0.5
118 - BLM, STATE	150	12.0	7.0	9	0.152
120 - BLM, STATE	25	2.0	1.2	2	0.5
121 - BLM, STATE	190	15.2	8.9	9	0.152
123 - BLM, STATE	25	2.0	1.2	2	0.5
136 - EPA	105	8.4	4.9	5	0.5
138 - EPA	515	41.3	24.1	2	0.152
140 - EPA	25	1.3	.78	5	0.5
144 - USACE	370	29.6	17.3	5	0.061
146 - USACE	40	3.2	1.9	1	0.5
147 - USACE	220	17.6	10.3	5	0.061
149 - USACE	25	2.0	1.2	1	0.5
150 - USACE	190	15.2	8.9	5	0.061
152 - USACE	25	2.0	1.2	1	0.5
153 - USACE	280	22.4	13.1	5	0.061
155 - USACE	30	2.4	1.4	1	0.5
156 - USACE	60	4.8	2.8	5	0.061
158 - USACE	25	2.0	1.2	1	0.5

PATH 43 (EXPANDED), TOTAL LENGTH 1070 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
178 - BIA	40	3.2	1.9	2	0.152
191 - FOR. SERV.	610	32.6	19.0	2	0.333
345 - REG. IX	610	57.0	33.3	5	0.05
349 - REG. IX	240	22.4	13.1	2	0.5
350 - REG. X	190	17.8	10.4	5	0.05
354 - REG. X	60	5.6	3.3	2	0.5
355 - REG. VIII	280	26.2	15.3	5	0.05
359 - REG. VIII	180	16.8	9.8	2	0.5
367 - REG. COMM	200	16.0	9.3	2	0.05
401 - COMM.	105	9.8	5.7	1	0.5
504 - UNSPEC.	100	9.3	5.5	1	0.5
505 - UNSPEC.	200	18.7	10.9	1	0.5

PATH 44 (EXPANDED), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	980	95.2	85.2	1	1.0
103 - USDI	1150	100	100	1	1.0
107 - BLM, OCS	70	3.5	2.0	2	0.333
112 - BLM, STATE	150	11.2	6.5	9	0.152
114 - BLM, STATE	25	1.9	1.1	2	0.5
115 - BLM, STATE	300	22.4	13.0	9	0.152
117 - BLM, STATE	30	2.2	1.3	2	0.5
118 - BLM, STATE	120	8.9	5.2	9	0.152
120 - BLM, STATE	25	1.9	1.1	2	0.5
121 - BLM, STATE	50	3.7	2.2	9	0.152
123 - BLM, STATE	25	1.9	1.1	2	0.5
136 - EPA	100	7.5	4.3	5	0.5
138 - EPA	490	36.5	21.3	2	0.152
140 - EPA	25	1.2	.72	5	0.5
144 - USACE	310	23.1	13.5	5	0.061
146 - USACE	35	2.6	1.5	1	0.5
147 - USACE	210	15.7	9.1	5	0.061
149 - USACE	25	1.9	1.1	1	0.5
150 - USACE	280	20.9	12.2	5	0.061
152 - USACE	30	2.2	1.3	1	0.5
153 - USACE	200	14.9	8.7	5	0.061
155 - USACE	25	1.9	1.1	1	0.5
156 - USACE	25	1.9	1.1	5	0.061

PATH 44 (EXPANDED), TOTAL LENGTH 1150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
178 - BIA	80	6.0	3.5	2	0.152
191 - FOR. SERV.	650	32.3	18.8	2	0.333
345 - REG. IX	590	51.3	29.9	5	0.05
349 - REG. IX	240	20.9	12.2	2	0.5
350 - REG. X	260	22.6	13.2	5	0.05
354 - REG. X	85	7.4	4.3	2	0.5
355 - REG. VIII	260	22.6	13.2	5	0.05
359 - REG. VIII	140	12.2	7.1	2	0.5
401 - COMM.	100	8.7	5.1	1	0.5
504 - UNSPEC.	100	8.7	5.1	1	0.5
505 - UNSPEC.	200	17.4	10.1	1	0.5

PATH 45 (EXPANDED), TOTAL LENGTH 1000 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	950	95.0	95.0	1	1.0
103 - USDI	1000	100	100	1	1.0
107 - BLM, OCS	50	2.9	1.7	2	0.333
112 - BLM, STATE	130	11.1	6.5	9	0.152
114 - BLM, STATE	25	2.1	1.3	2	0.5
115 - BLM, STATE	250	21.4	12.5	9	0.152
117 - BLM, STATE	25	2.1	1.3	2	0.5
118 - BLM, STATE	100	8.6	5.0	9	0.152
120 - BLM, STATE	25	2.1	1.3	2	0.5
121 - BLM, STATE	200	17.1	10.0	9	0.152
123 - BLM, STATE	25	2.1	1.3	2	0.5
136 - EPA	95	8.1	4.8	5	0.5
138 - EPA	475	40.7	23.8	2	0.152
140 - EPA	25	1.4	.83	5	0.5
144 - USACE	50	4.3	2.5	5	0.061
146 - USACE	25	2.1	1.3	1	0.5
147 - USACE	440	37.7	22.0	5	0.061
149 - USACE	45	3.9	2.3	1	0.5
150 - USACE	350	30.0	17.5	5	0.061
152 - USACE	35	3.0	1.8	1	0.5
153 - USACE	130	11.1	6.5	5	0.061
155 - USACE	25	2.1	1.3	1	0.5
178 - BIA	110	9.4	5.5	2	0.152
191 - FOR. SERV.	680	38.9	22.7	2	0.333

PATH 45 (EXPANDED), TOTAL LENGTH 1000 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
345 - REG. IX	550	55.0	32.1	5	0.05
349 - REG. IX	215	21.5	12.5	2	0.5
350 - REG. X	350	35.0	20.4	5	0.05
354 - REG. X	110	11.0	6.4	2	0.5
355 - REG. VIII	120	12.0	7.0	5	0.05
359 - REG. VIII	75	7.5	4.4	2	0.5
401 - COMM.	95	9.5	5.5	1	0.5
504 - UNSPEC.	100	10.0	5.8	1	0.5
505 - UNSPEC.	200	20.0	11.7	1	0.5

PATH 46 (EXPANDED), TOTAL LENGTH 930 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	900	96.8	96.8	1	1.0
103 - USDI	930	100	100	1	1.0
107 - USDI	30	1.8	1.1	2	0.333
112 - BLM, STATE	180	16.6	9.7	9	0.152
114 - BLM, STATE	25	2.3	1.3	2	0.5
115 - BLM, STATE	210	19.4	11.3	9	0.152
117 - BLM, STATE	25	2.3	1.3	2	0.5
118 - BLM, STATE	240	22.1	12.9	9	0.152
120 - BLM, STATE	25	2.3	1.3	2	0.5
121 - BLM, STATE	50	4.6	2.7	9	0.152
123 - BLM, STATE	25	2.3	1.3	2	0.5
136 - EPA	90	8.3	4.8	5	0.5
138 - EPA	450	41.5	24.2	2	0.152
144 - USACE	25	2.3	1.3	5	0.061
147 - USACE	25	2.3	1.3	5	0.061
150 - USACE	400	36.9	21.5	5	0.061
152 - USACE	40	3.7	2.2	1	0.5
153 - USACE	350	32.3	18.8	5	0.061
155 - USACE	35	3.2	1.9	1	0.5
156 - USACE	130	12.0	7.0	5	0.061
158 - USACE	25	2.3	1.3	1	0.5
178 - BIA	160	14.7	8.6	2	0.152
191 - FOR. SERV.	560	34.4	20.1	2	0.333

PATH 46 (EXPANDED), TOTAL LENGTH 930 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
345 - REG. IX	280	30.1	17.6	5	0.05
349 - REG. IX	115	12.4	7.2	2	0.5
350 - REG. X	440	47.3	27.6	5	0.05
354 - REG. X	140	15.1	8.8	2	0.5
355 - REG. VIII	40	4.3	2.5	5	0.05
359 - REG. VIII	25	2.7	1.6	2	0.5
367 - REG. COMM.	200	18.4	10.8	2	0.05
401 - COMM.	90	9.7	5.6	1	0.5
504 - UNSPEC.	100	10.8	6.3	1	0.5
505 - UNSPEC.	200	21.5	12.5	1	0.5

PATH 48 (EXPANDED), TOTAL LENGTH 740 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	700	94.6	94.6	1	1.0
103 - USDI	740	100	100	1	1.0
107 - BLM, OCS	40	3.1	1.8	2	0.333
112 - BLM, STATE	120	13.9	8.1	9	0.152
114 - BLM, STATE	25	2.9	1.7	2	0.5
115 - BLM, STATE	340	39.4	23.0	9	0.152
117 - BLM, STATE	35	4.1	2.4	2	0.5
136 - EPA	70	8.1	4.7	5	0.5
138 - EPA	350	40.5	23.6	2	0.152
140 - EPA	25	1.9	1.1	5	0.5
144 - USACE	210	24.3	14.2	5	0.061
146 - USACE	25	2.9	1.7	1	0.5
147 - USACE	160	18.5	10.8	5	0.061
149 - USACE	25	2.9	1.7	1	0.5
150 - USACE	140	16.2	9.5	5	0.061
152 - USACE	25	2.9	1.7	1	0.5
153 - USACE	120	13.9	8.1	5	0.061
155 - USACE	25	2.9	1.7	1	0.5
156 - USACE	180	20.8	12.2	5	0.061
158 - USACE	25	2.9	1.7	1	0.5
178 - BIA	130	15.1	8.8	2	0.152
191 - FOR. SERV.	420	32.4	18.9	2	0.333
345 - REG. IX	260	35.1	20.5	5	0.05
349 - REG. IX	100	13.5	7.9	2	0.5

PATH 48 (EXPANDED), TOTAL LENGTH 740 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
350 - REG. X	490	66.2	38.6	5	0.05
354 - REG. X	155	20.9	12.2	2	0.5
401 - COMM.	70	9.5	5.5	1	0.5
504 - UNSPEC.	100	13.5	7.9	1	0.5
505 - UNSPEC.	200	27.0	15.8	1	0.5

PATH 49 (EXPANDED), TOTAL LENGTH 690 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	640	92.8	92.8	1	1.0
103 - USDI	690	100	100	1	1.0
107 - BLM, OCS	50	4.1	2.4	2	0.333
112 - BLM, STATE	100	12.4	7.2	9	0.152
114 - BLM, STATE	25	3.1	1.8	2	0.5
115 - BLM, STATE	350	43.5	25.4	9	0.152
117 - BLM, STATE	35	4.4	2.5	2	0.5
136 - EPA	65	8.1	4.7	5	0.5
138 - EPA	320	39.8	23.2	2	0.152
140 - EPA	25	2.1	1.2	5	0.5
144 - USACE	210	26.1	15.2	5	0.061
146 - USACE	25	3.1	1.8	1	0.5
147 - USACE	320	39.8	23.2	5	0.061
149 - USACE	35	4.4	2.5	1	0.5
150 - USACE	160	19.9	11.6	5	0.061
152 - USACE	25	3.1	1.8	1	0.5
178 - BIA	90	11.2	6.5	2	0.152
191 - FOR. SERV.	600	49.7	29.0	2	0.333
345 - REG. IX	210	30.4	17.8	5	0.05
349 - REG. IX	80	11.6	6.8	2	0.5
350 - REG. X	480	69.6	40.6	5	0.05
354 - REG. X	150	21.7	12.7	2	0.5
367 - REG. COMM.	200	24.8	14.5	2	0.05
401 - COMM.	65	9.4	5.5	1	0.5
504 - UNSPEC.	100	14.5	8.5	1	0.5
505 - UNSPEC.	200	29.0	16.9	1	0.5

PATH 50 (EXPANDED), TOTAL LENGTH 485 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	460	94.8	94.8	1	1.0
103 - USDI	485	100	100	1	1.0
107 - BLM, OCS	25	2.9	1.7	2	0.333
112 - BLM, STATE	250	44.2	25.8	9	0.152
114 - BLM, STATE	25	4.4	2.6	2	0.5
136 - EPA	50	8.8	5.2	5	0.5
138 - EPA	230	40.6	23.7	2	0.152
144 - USACE	310	54.8	32.0	5	0.061
146 - USACE	35	6.2	3.6	1	0.5
147 - USACE	140	24.7	14.4	5	0.061
149 - USACE	25	4.4	2.6	1	0.5
191 - FOR. SERV.	380	44.8	26.1	2	0.333
345 - REG. IX	25	5.2	3.0	5	0.05
349 - REG. IX	25	5.2	3.0	2	0.5
350 - REG. X	460	94.8	55.3	5	0.05
354 - REG. X	145	29.9	17.4	2	0.5
401 - COMM.	50	10.3	6.0	1	0.5
504 - UNSPEC.	100	20.6	12.0	1	0.5
505 - UNSPEC.	200	41.2	24.1	1	0.5

PATH 51 (EXPANDED), TOTAL LENGTH 260 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	160	61.5	61.5	1	1.0
103 - USDI	260	100	100	1	1.0
107 - BLM, OCS.	100	22.0	12.8	2	0.333
136 - EPA	25	8.2	4.8	5	0.5
138 - EPA	80	26.4	15.4	2	0.152
140 - EPA	25	5.5	3.2	5	0.5
144 - USACE	25	8.2	4.8	5	0.061
147 - USACE	150	49.5	28.8	5	0.061
149 - USACE	25	8.2	4.8	1	0.5
178 - BIA	25	8.2	4.8	2	0.152
191 - FOR. SERV.	90	19.8	11.5	2	0.333
345 - REG. X	170	65.4	38.1	5	0.05
349 - REG. X	55	21.2	12.3	2	0.5
401 - COMM.	25	9.6	5.6	1	0.5
504 - UNSPEC.	100	38.5	22.4	1	0.5
505 - UNSPEC.	200	76.9	44.9	1	0.5

PATH 52 (EXPANDED), TOTAL LENGTH 80 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
100 - USDA	25	31.3	31.3	1	1.0
103 - USDI	80	100	100	1	1.0
107 - BLM, OCS.	80	57.1	33.3	2	0.333
138 - EPA	25	26.8	15.6	2	0.152
140 - EPA	25	17.9	10.4	5	0.5
144 - USACE	80	85.7	50.0	5	0.061
146 - USACE	25	26.8	15.6	1	0.5
178 - BIA	30	32.1	18.8	2	0.152
345 - REG. X	80	100	58.3	5	0.05
349 - REG. X	25	31.3	18.2	2	0.5
504 - UNSPEC.	100	100	72.9	1	0.5

PATH 59 (EXTENDED), TOTAL LENGTH 120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	30	14.3	8.3	2	0.333
131 BLM-OCS-Hqtrs	30	14.3	8.3	2	0.333
136 EPA	25	17.9	10.4	5	0.5
138 EPA	50	35.7	20.8	2	0.152
144 USACE	100	71.4	41.7	5	0.061
146 USACE	25	17.9	10.4	1	0.5
183 USDA For. Serv.	100	47.6	27.8	2	0.333
191 USDA For. Serv.-Hq.	100	47.6	27.8	2	0.333
301 State-Alaska	60	50.0	29.2	5	0.05
303 State-Alaska	25	20.8	12.2	2	0.5
504 Unspecified	100	83.3	48.6	1	0.5

PATH 60 (EXPANDED), TOTAL LENGTH 160 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	30	10.7	6.2	2	0.333
112	BLM-State	25	13.4	7.8	9	0.152
131	BLM-OCS-Hqtrs.	30	10.7	6.2	2	0.333
133	BLM-State-Hqtrs.	25	13.4	7.8	9	0.152
136	EPA	25	13.4	7.8	5	0.5
138	EPA	70	37.5	21.9	2	0.152
144	USACE	140	75.0	43.8	5	0.061
146	USACE	25	13.4	7.8	1	0.5
183	USDA For. Serv.	130	46.4	27.1	2	0.333
191	USDA For. Serv.-Hq.	130	46.4	27.1	2	0.333
301	State-Alaska	80	50.0	29.2	5	0.05
303	State-Alaska	25	15.6	9.1	2	0.5
504	Unspecified	100	62.5	36.5	1	0.5
505	Unspecified	200	100.0	58.3	1	0.5

PATH 61 (EXPANDED), TOTAL LENGTH 170 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	40	13.4	7.8	2	0.333
112	BLM-State	50	25.2	14.7	9	0.152
114	BLM-State	25	12.6	7.4	2	0.5
131	BLM-OCS-Hqtrs.	40	13.4	7.8	2	0.333
133	BLM-State-Hqtrs.	50	25.2	14.7	9	0.152
135	BLM-State-Hqtrs.	25	12.6	7.4	2	0.5
136	EPA	25	12.6	7.4	5	0.5
138	EPA	65	32.8	19.1	2	0.152
140	EPA	25	8.4	4.9	5	0.5
144	USACE	130	65.5	38.2	5	0.061
146	USACE	25	12.6	7.4	1	0.5
183	USDA For. Serv.	130	43.7	25.5	2	0.333
191	USDA For. Serv.-Hq.	130	43.7	25.5	2	0.333
301	State-Alaska	75	44.1	25.7	5	0.05
303	State-Alaska	25	14.7	8.6	2	0.5
504	Unspecified	100	58.8	34.3	1	0.5
505	Unspecified	200	100.0	58.3	1	0.5

PATH 62 (EXPANDED), TOTAL LENGTH 160 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	25	8.9	5.2	2	0.333
131	BLM-OCS-Hqtrs.	25	8.9	5.2	2	0.333
136	EPA	25	13.4	7.8	5	0.5
138	EPA	75	40.2	23.4	2	0.152
144	USACE	150	80.4	46.9	5	0.061
146	USACE	25	13.4	7.8	1	0.5
183	USDA For. Serv.	150	53.6	31.2	2	0.333
191	USDA For. Serv.-Hq.	150	53.6	31.2	2	0.333
301	State-Alaska	85	53.1	31.0	5	0.05
303	State-Alaska	25	15.6	9.1	2	0.5
504	Unspecified	100	62.5	36.4	1	0.5
505	Unspecified	200	100.0	58.3	1	0.5

PATH 63 (EXPANDED), TOTAL LENGTH 150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	25	9.5	5.6	2	0.333
112	BLM-State	50	28.6	16.7	9	0.152
114	BLM-State	25	14.3	8.3	2	0.5
131	BLM-OCS-Hqtrs.	25	9.5	5.6	2	0.333
133	BLM-State-Hqtrs.	50	28.6	16.7	9	0.152
135	BLM-State-Hqtrs.	25	14.3	8.3	2	0.5
136	EPA	25	14.3	8.3	5	0.5
138	EPA	70	40.0	23.3	2	0.152
144	USACE	140	80.0	46.7	5	0.061
146	USACE	25	14.3	8.3	1	0.5
183	USDA For. Serv.	140	53.3	31.1	2	0.333
191	USDA For. Serv.-Hq.	140	53.3	31.1	2	0.333
301	State-Alaska	80	53.3	31.1	5	0.05
303	State-Alaska	25	16.7	9.7	2	0.5
504	Unspecified	100	66.7	38.9	1	0.5
505	Unspecified	200	100.0	58.3	1	0.5

PATH 64 (EXPANDED), TOTAL LENGTH 120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	30	14.3	8.3	2	0.333
112 BLM-State	50	35.7	20.8	9	0.152
114 BLM-State	25	17.9	10.4	2	0.5
131 BLM-OCS-Hqtrs.	30	14.3	8.3	2	0.333
133 BLM-State-Hqtrs.	50	35.7	20.8	9	0.152
135 BLM-State-Hqtrs.	25	17.9	10.4	2	0.5
136 EPA	25	17.9	10.4	5	0.5
138 EPA	50	35.7	20.8	2	0.152
144 USACE	100	71.4	41.7	5	0.061
146 USACE	25	17.9	10.4	1	0.5
183 USDA For. Serv.	100	47.6	27.8	2	0.333
191 USDA For. Serv.-Hq.	100	47.6	27.8	2	0.333
301 State-Alaska	60	50.0	29.2	5	0.05
303 State-Alaska	25	20.8	12.2	2	0.5
504 Unspecified	100	83.3	48.6	1	0.5

PATH 65 (EXPANDED), TOTAL LENGTH 70 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	40	32.7	19.0	2	0.333
112 BLM-State	30	36.7	21.4	9	0.152
131 BLM-OCS-Hqtrs.	40	32.7	19.0	2	0.333
133 BLM-State-Hqtrs.	30	36.7	21.4	9	0.152
140 EPA	25	20.4	11.9	5	0.5
144 USACE	30	36.7	21.4	5	0.061
301 State-Alaska	25	35.7	20.8	5	0.05
303 State-Alaska	25	35.7	20.8	2	0.5
504 Unspecified	100	100.0	58.3	1	0.5

PATH 66 (EXPANDED), TOTAL LENGTH 90 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	50	31.7	18.5	2	0.333
112	BLM-State	25	23.8	13.9	9	0.152
131	BLM-OCS-Hqtrs.	50	31.7	18.5	2	0.333
133	BLM-State	25	23.8	13.9	9	0.152
138	EPA	25	23.8	13.9	2	0.152
140	EPA	25	15.9	9.3	5	0.5
144	USACE	40	38.1	22.2	5	0.061
146	USACE	25	23.8	13.9	1	0.5
183	USDA For. Serv.	40	25.4	14.8	2	0.333
191	USDA For. Serv.-Hq.	40	25.4	14.8	2	0.333
301	State-Alaska	30	33.3	19.4	5	0.05
303	State-Alaska	25	27.8	16.2	2	0.5
504	Unspecified	100	100.0	58.3	1	0.5

PATH 67 (EXPANDED), TOTAL LENGTH 100 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	50	28.6	16.7	2	0.333
112	BLM-State	50	42.9	25.0	9	0.152
114	BLM-State	25	21.4	12.5	2	0.5
131	BLM-OCS-Hqtrs.	50	28.6	16.7	2	0.333
133	BLM-State-Hqtrs.	50	42.9	25.0	9	0.152
135	BLM-State-Hqtrs.	25	21.4	12.5	2	0.5
138	EPA	30	25.7	15.0	2	0.152
140	EPA	25	14.3	8.3	5	0.5
144	USACE	60	51.4	30.0	5	0.061
146	USACE	25	21.4	12.5	1	0.5
183	USDA For. Serv.	40	22.9	13.3	2	0.333
191	USDA For. Serv.-Hq.	40	22.9	13.3	2	0.333
301	State-Alaska	40	40.0	23.3	5	0.05
303	State-Alaska	25	25.0	14.6	2	0.5
504	Unspecified	100	100.0	58.3	1	0.5

PATH 68 (EXPANDED), TOTAL LENGTH 80 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	40	28.6	16.7	2	0.333
112 BLM-State	30	32.1	18.8	9	0.152
131 BLM-OCS-Hqtrs.	40	28.6	16.7	2	0.333
133 BLM-State-Hqtrs.	30	32.1	18.8	9	0.152
138 EPA	25	26.8	15.6	2	0.152
140 EPA	25	17.9	10.4	5	0.5
144 USACE	40	42.9	25.0	5	0.061
146 USACE	25	26.8	15.6	1	0.5
301 State-Alaska	30	37.5	21.9	5	0.05
303 State-Alaska	25	31.2	18.2	2	0.5
504 Unspecified	100	100.0	58.3	1	0.5

PATH 69 (EXPANDED), TOTAL LENGTH 170 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	40	13.4	7.8	2	0.333
112	BLM-State	120	60.5	35.3	9	0.152
114	BLM-State	25	12.6	7.4	2	0.5
131	BLM-OCS-Hqtrs.	40	13.4	7.8	2	0.333
133	BLM-State-Hqtrs.	120	60.5	35.3	9	0.152
135	BLM-State-Hqtrs.	25	12.6	7.4	2	0.5
136	EPA	25	12.6	7.4	5	0.5
138	EPA	70	35.3	20.6	2	0.152
140	EPA	25	8.4	4.9	5	0.5
144	USACE	140	70.6	41.2	5	0.061
146	USACE	25	12.6	7.4	1	0.5
301	State-Alaska	80	47.1	27.5	5	0.05
303	State-Alaska	25	14.7	8.6	2	0.5
504	Unspecified	100	58.8	34.3	1	0.5
505	Unspecified	200	100.0	58.3	1	0.5

PATH 70 (EXPANDED), TOTAL LENGTH 280 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	40	8.2	4.8	2	0.333
112 BLM-State	200	61.2	35.7	9	0.152
114 BLM-State	25	7.7	4.5	2	0.5
131 BLM-OCS-Hqtrs.	40	8.2	4.8	2	0.333
133 BLM-State-Hqtrs.	200	61.2	35.7	9	0.152
135 BLM-State-Hqtrs.	25	7.7	4.5	2	0.5
136 EPA	25	7.7	4.5	5	0.5
138 EPA	125	38.3	22.3	2	0.152
140 EPA	25	5.1	3.0	5	0.5
144 USACE	250	76.5	44.6	5	0.061
146 USACE	25	7.7	4.5	1	0.5
174 BIA	40	12.2	7.1	2	0.152
178 BIA-Hqtrs.	40	12.2	7.1	2	0.152
183 USDA For. Serv.	40	8.2	4.8	2	0.333
191 USDA For. Serv.-Hq.	40	8.2	4.8	2	0.333
301 State-Alaska	135	48.2	28.1	5	0.05
303 State-Alaska	30	10.7	6.2	2	0.5
504 Unspecified	100	35.7	20.8	1	0.5
505 Unspecified	200	71.4	41.7	1	0.5

PATH 71 (EXPANDED), TOTAL LENGTH 380 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	50	7.5	4.4	2	0.333
112 BLM-State	250	56.4	32.9	9	0.152
114 BLM-State	25	5.6	3.3	2	0.5
131 BLM-OCS-Hqtrs.	50	7.5	4.4	2	0.333
133 BLM-State-Hqtrs.	250	56.4	32.9	9	0.152
135 BLM-State-Hqtrs.	25	5.6	3.3	2	0.5
136 EPA	35	7.9	4.6	5	0.5
138 EPA	160	36.1	21.1	2	0.152
140 EPA	25	3.8	2.2	5	0.5
144 USACE	320	72.2	42.1	5	0.061
146 USACE	35	7.9	4.6	1	0.5
174 BIA	40	9.0	5.3	2	0.152
178 BIA-Hqtrs.	40	9.0	5.3	2	0.152
183 USDA For. Serv.	25	3.8	2.2	2	0.333
191 USDA For. Serv.	25	3.8	2.2	2	0.333
301 State-Alaska	170	44.7	26.1	5	0.05
303 State-Alaska	35	9.2	5.4	2	0.5
504 Unspecified	100	26.3	15.4	1	0.5
505 Unspecified	200	52.6	30.7	1	0.5

PATH 72 (EXPANDED), TOTAL LENGTH 470 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	70	8.5	5.0	2	0.333
112	BLM-State	330	60.2	35.1	9	0.152
114	BLM-State	35	6.4	3.7	2	0.5
131	BLM-OCS-Hqtrs.	70	8.5	5.0	2	0.333
133	BLM-State-Hqtrs.	330	60.2	35.1	9	0.152
135	BLM-State-Hqtrs.	35	6.4	3.7	2	0.5
136	EPA	45	8.2	4.8	5	0.5
138	EPA	205	37.4	21.8	2	0.152
140	EPA	25	3.0	1.8	5	0.5
144	USACE	410	74.8	43.6	5	0.061
146	USACE	45	8.2	4.8	1	0.5
183	USDA For. Serv.	30	3.6	2.1	2	0.333
191	USDA For. Serv.-Hq.	30	3.6	2.1	2	0.333
301	State-Alaska	215	45.7	26.7	5	0.05
303	State-Alaska	45	9.6	5.6	2	0.5
504	Unspecified	100	21.3	12.4	1	0.5
505	Unspecified	200	42.6	24.8	1	0.5

PATH 73 (EXPANDED), TOTAL LENGTH 660 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	150	13.0	7.6	2	0.333
112	BLM-State	410	53.2	31.1	9	0.152
114	BLM-State	45	5.8	3.4	2	0.5
131	BLM-OCS-Hqtrs	150	13.0	7.6	2	0.333
133	BLM-State-Hqtrs	410	53.2	31.1	9	0.152
135	BLM-State-Hqtrs	45	5.8	3.4	2	0.5
136	EPA	55	7.1	4.2	5	0.5
138	EPA	255	33.1	19.3	2	0.152
140	EPA	30	2.6	1.5	5	0.5
144	USACE	510	66.2	38.6	5	0.061
146	USACE	55	7.1	4.2	1	0.5
183	USDA For. Serv.	50	4.3	2.5	2	0.333
191	USDA For. Serv.-Hq.	50	4.3	2.5	2	0.333
301	State-Alaska	265	40.2	23.4	5	0.05
303	State-Alaska	55	8.3	4.9	2	0.5
504	Unspecified	100	15.2	8.8	1	0.5
505	Unspecified	200	30.3	17.7	1	0.5

PATH 74 (EXPANDED), TOTAL LENGTH 800 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	230	16.4	9.6	2	0.333
112	BLM-State	420	45.0	26.2	9	0.152
114	BLM-State	45	4.8	2.8	2	0.5
131	BLM-OCS-Hqtrs	230	16.4	9.6	2	0.333
133	BLM-State-Hqtrs	420	45.0	26.2	9	0.152
135	BLM-State-Hqtrs	45	4.8	2.8	2	0.5
136	EPA	65	7.0	4.1	5	0.5
138	EPA	310	33.2	19.4	2	0.152
140	EPA	50	3.6	2.1	5	0.5
144	USACE	620	66.4	38.8	5	0.061
146	USACE	65	7.0	4.1	1	0.5
183	USDA For. Serv.	70	5.0	2.9	2	0.333
191	USDA For. Serv.-Hq.	70	5.0	2.9	2	0.333
301	State-Alaska	320	40.0	23.3	5	0.05
303	State-Alaska	65	8.1	4.7	2	0.5
504	Unspecified	100	12.5	7.3	1	0.5
505	Unspecified	200	25.0	14.6	1	0.5

PATH 75 (EXPANDED), TOTAL LENGTH 890 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	80	5.1	3.0	2	0.333
112	BLM-State	310	29.9	17.4	9	0.152
114	BLM-State	35	3.4	2.0	2	0.5
131	BLM-OCS-Hqtrs	80	5.1	3.0	2	0.333
133	BLM-State-Hqtrs	310	29.9	17.4	9	0.152
135	BLM-State-Hqtrs	35	3.4	2.0	2	0.5
136	EPA	85	8.2	4.8	5	0.5
138	EPA	420	40.4	23.6	2	0.152
140	EPA	25	1.6	0.9	5	0.5
144	USACE	840	80.9	47.2	5	0.061
146	USACE	85	8.2	4.8	1	0.5
174	BIA	50	4.8	2.8	2	0.152
178	BIA-Hqtrs	50	4.8	2.8	2	0.152
301	State-Alaska	430	48.3	28.2	5	0.05
303	State-Alaska	90	10.1	5.9	2	0.5
504	Unspecified	100	11.2	6.6	1	0.5
505	Unspecified	200	22.5	13.1	1	0.5

PATH 76 (EXPANDED), TOTAL LENGTH 980 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	140	8.2	4.8	2	0.333
112 BLM-State	170	14.9	8.7	9	0.152
114 BLM-State	25	2.2	1.3	2	0.5
131 BLM-OCS-Hqtrs	140	8.2	4.8	2	0.333
133 BLM-State-Hqtrs	170	14.9	8.7	9	0.152
135 BLM-State-Hqtrs	25	2.2	1.3	2	0.5
136 EPA	85	7.4	4.3	5	0.5
138 EPA	425	37.2	21.7	2	0.152
140 EPA	30	1.7	1.0	5	0.5
144 USACE	850	74.3	43.4	5	0.061
146 USACE	85	7.4	4.3	1	0.5
174 BIA	60	5.2	3.1	2	0.152
178 BIA-Hqtrs	60	5.2	3.1	2	0.152
195 NOAA	50	1.5	0.9	1	1.0
301 State-Alaska	445	45.4	26.5	5	0.05
303 State-Alaska	90	9.2	5.4	2	0.5
504 Unspecified	100	10.2	6.0	1	0.5
505 Unspecified	200	20.4	11.9	1	0.5

PATH 77 (EXPANDED), TOTAL LENGTH 1020 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	190	10.6	6.2	2	0.333
112 BLM-State	560	47.1	27.5	9	0.152
114 BLM-State	60	5.0	2.9	2	0.5
131 BLM-OCS-Hqtrs	190	10.6	6.2	2	0.333
133 BLM-State-Hqtrs	560	47.1	27.5	9	0.152
135 BLM-State-Hqtrs	60	5.0	2.9	2	0.5
136 EPA	85	7.1	4.2	5	0.5
138 EPA	425	35.7	20.8	2	0.152
140 EPA	40	2.2	1.3	5	0.5
144 USACE	850	71.4	41.7	5	0.061
146 USACE	85	7.1	4.2	1	0.5
195 NOAA	40	1.1	0.7	1	1.0
301 State-Alaska	445	43.6	25.4	5	0.05
303 State-Alaska	90	8.8	5.1	2	0.5
504 Unspecified	100	9.8	5.7	1	0.5
505 Unspecified	200	19.6	11.4	1	0.5

PATH 78 (EXPANDED), TOTAL LENGTH 1070 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	160	8.5	5.0	2	0.333
112 BLM-State	750	60.1	35.0	9	0.152
114 BLM-State	75	6.0	3.5	2	0.5
131 BLM-OCS-Hqtrs	160	8.5	5.0	2	0.333
133 BLM-State-Hqtrs	750	60.1	35.0	9	0.152
135 BLM-State-Hqtrs	75	6.0	3.5	2	0.5
136 EPA	95	7.6	4.4	5	0.5
138 EPA	460	36.8	21.5	2	0.152
140 EPA	35	1.9	1.1	5	0.5
144 USACE	920	73.7	43.0	5	0.061
146 USACE	95	7.6	4.4	1	0.5
195 NOAA	60	1.6	0.9	1	1.0
301 State-Alaska	480	44.9	26.2	5	0.05
303 State-Alaska	100	9.3	5.5	2	0.5
504 Unspecified	100	9.3	5.5	1	0.5
505 Unspecified	200	18.7	10.9	1	0.5

PATH 79 (EXPANDED), TOTAL LENGTH 1100 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	220	11.4	6.7	2	0.333
112	BLM-State	820	63.9	37.3	9	0.152
114	BLM-State	85	6.6	3.9	2	0.5
131	BLM-OCS-Hqtrs	220	11.4	6.7	2	0.333
133	BLM-State-Hqtrs	820	63.9	37.3	9	0.152
135	BLM-State-Hqtrs	85	6.6	3.9	2	0.5
136	EPA	90	7.0	4.1	5	0.5
138	EPA	445	34.7	20.2	2	0.152
140	EPA	45	2.3	1.4	5	0.5
144	USACE	890	69.4	40.5	5	0.061
146	USACE	90	7.0	4.1	1	0.5
195	NOAA	170	4.4	2.6	1	1.0
301	State-Alaska	485	44.1	25.7	5	0.05
303	State-Alaska	100	9.1	5.3	2	0.5
504	Unspecified	100	9.1	5.3	1	0.5
505	Unspecified	200	18.2	10.6	1	0.5

PATH 80 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	310	15.8	9.2	2	0.333
112 BLM-State	740	56.6	33.0	9	0.152
114 BLM-State	75	5.7	3.3	2	0.5
131 BLM-OCS-Hqtrs	310	15.8	9.2	2	0.333
133 BLM-State-Hqtrs	740	56.6	33.0	9	0.152
135 BLM-State-Hqtrs	75	5.7	3.3	2	0.5
136 EPA	85	6.5	3.8	5	0.5
138 EPA	410	31.4	18.3	2	0.152
140 EPA	65	3.3	1.9	5	0.5
144 USACE	820	62.8	36.6	5	0.061
145 USACE	85	6.5	3.8	1	0.5
195 NOAA	240	6.1	3.6	1	1.0
301 State-Alaska	450	40.2	23.4	5	0.05
303 State-Alaska	90	8.0	4.7	2	0.5
504 Unspecified	100	8.9	5.2	1	0.5
505 Unspecified	200	17.9	10.4	1	0.5

PATH 81 (EXPANDED), TOTAL LENGTH 1130 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	340	17.2	10.0	2	0.333
112 BLM-State	800	60.7	35.4	9	0.152
114 BLM-State	80	6.1	3.5	2	0.5
131 BLM-OCS-Hqtrs	340	17.2	10.0	2	0.333
133 BLM-State-Hqtrs	800	60.7	35.4	9	0.152
135 BLM-State-Hqtrs	80	6.1	3.5	2	0.5
136 EPA	85	6.4	3.8	5	0.5
138 EPA	405	30.7	17.9	2	0.152
140 EPA	70	3.5	2.1	5	0.5
144 USACE	810	61.4	35.8	5	0.061
146 USACE	85	6.4	3.8	1	0.5
195 NOAA	340	8.6	5.0	1	1.0
301 State-Alaska	445	39.4	23.0	5	0.05
303 State-Alaska	90	8.0	4.6	2	0.5
504 Unspecified	100	8.8	5.2	1	0.5
505 Unspecified	200	17.7	10.3	1	0.5

PATH 82 (EXPANDED), TOTAL LENGTH 1160 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	340	16.7	9.8	2	0.333
112 BLM-State	730	53.9	31.5	9	0.152
114 BLM-State	75	5.5	3.2	2	0.5
131 BLM-OCS-Hqtrs	340	16.7	9.8	2	0.333
133 BLM-State-Hqtrs	730	53.9	31.5	9	0.152
135 BLM-State-Hqtrs	75	5.5	3.2	2	0.5
136 EPA	85	6.3	3.7	5	0.5
138 EPA	415	30.7	17.9	2	0.152
140 EPA	70	3.4	2.0	5	0.5
144 USACE	830	61.3	35.8	5	0.061
146 USACE	85	6.3	3.7	1	0.5
195 NOAA	330	8.1	4.7	1	1.0
301 State-Alaska	455	39.2	22.9	5	0.05
303 State-Alaska	95	8.2	4.8	2	0.5
504 Unspecified	100	8.6	5.0	1	0.5
505 Unspecified	200	17.2	10.1	1	0.5

PATH 83 (EXPANDED), TOTAL LENGTH 1140 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	400	20.1	11.7	2	0.333
112 BLM-State	730	54.9	32.0	9	0.152
114 BLM-State	75	5.6	3.3	2	0.5
131 BLM-OCS-Hqtrs	400	20.1	11.7	2	0.333
133 BLM-State-Hqtrs	730	54.9	32.0	9	0.152
135 BLM-State-Hqtrs	75	5.6	3.3	2	0.5
136 EPA	75	5.6	3.3	5	0.5
138 EPA	365	27.4	16.0	2	0.152
140 EPA	80	4.0	2.3	5	0.5
144 USACE	730	54.9	32.0	5	0.061
146 USACE	75	5.6	3.3	1	0.5
195 NOAA	430	10.8	6.3	1	1.0
301 State-Alaska	405	35.5	20.7	5	0.05
303 State-Alaska	85	7.5	4.3	2	0.5
504 Unspecified	100	8.8	5.1	1	0.5
505 Unspecified	200	17.5	10.2	1	0.5

PATH 84 (EXPANDED), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	400	20.4	11.9	2	0.333
112 BLM-State	730	55.9	32.6	9	0.152
114 BLM-State	75	5.7	3.3	2	0.5
131 BLM-OCS-Hqtrs	400	20.4	11.9	2	0.333
133 BLM-State-Hqtrs	730	55.9	32.6	9	0.152
135 BLM-State-Hqtrs	75	5.7	3.3	2	0.5
136 EPA	75	5.7	3.3	5	0.5
138 EPA	265	27.9	16.3	2	0.152
140 EPA	80	4.1	2.4	5	0.5
144 USACE	730	55.9	32.6	5	0.061
146 USACE	75	5.7	3.3	1	0.5
195 NOAA	350	8.9	5.2	1	1.0
301 State-Alaska	405	36.2	21.1	5	0.05
303 State-Alaska	85	7.6	4.4	2	0.5
504 Unspecified	100	8.9	5.2	1	0.5
505 Unspecified	200	17.9	10.4	1	0.5

PATH 85 (EXPANDED), TOTAL LENGTH 1130 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	430	21.7	12.7	2	0.333
112 BLM-State	540	41.0	23.9	9	0.152
114 BLM-State	55	4.2	2.4	2	0.5
131 BLM-OCS-Hqtrs	430	21.7	12.7	2	0.333
133 BLM-State-Hqtrs	540	41.0	23.9	9	0.152
135 BLM-State-Hqtrs	55	4.2	2.4	2	0.5
136 EPA	75	5.7	3.3	5	0.5
138 EPA	360	27.3	15.9	2	0.152
140 EPA	90	4.6	2.7	5	0.5
144 USACE	720	54.6	31.9	5	0.061
146 USACE	75	5.7	3.3	1	0.5
174 BIA	40	3.0	1.8	2	0.152
178 BIA-Hqtrs	40	3.0	1.8	2	0.152
195 NOAA	390	9.9	5.8	1	1.0
301 State-Alaska	420	37.2	21.7	5	0.05
303 State-Alaska	85	7.5	4.4	2	0.5
504 Unspecified	100	8.8	5.2	1	0.5
505 Unspecified	200	17.7	10.3	1	0.5

PATH 86 (EXPANDED), TOTAL LENGTH 1040 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND	
		30m	10m			
107	BLM-OCS	470	25.8	15.1	2	0.333
112	BLM-State	570	47.0	27.4	9	0.152
114	BLM-State	60	4.9	2.9	2	0.5
131	BLM-OCS-Hqtrs	470	25.8	15.1	2	0.333
133	BLM-State-Hqtrs	570	47.0	27.4	9	0.152
135	BLM-State-Hqtrs	60	4.9	2.9	2	0.5
136	EPA	65	5.4	3.1	5	0.5
138	EPA	310	25.5	14.9	2	0.152
140	EPA	95	5.2	3.0	5	0.5
144	USACE	620	51.1	29.8	5	0.061
146	USACE	65	5.4	3.1	1	0.5
174	BIA	40	3.3	1.9	2	0.152
178	BIA-Hqtrs	40	3.3	1.9	2	0.152
195	NOAA	470	12.9	7.5	1	1.0
301	State-Alaska	370	35.6	20.8	5	0.05
303	State-Alaska	75	7.2	4.2	2	0.5
504	Unspecified	100	9.6	5.6	1	0.5
505	Unspecified	200	19.2	11.2	1	0.5

PATH 87 (EXPANDED), TOTAL LENGTH 1030 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	590	32.7	19.1	2	0.333
112 BLM-State	430	35.8	20.9	9	0.152
114 BLM-State	45	3.7	2.2	2	0.5
131 BLM-OCS-Hqtrs	590	32.7	19.1	2	0.333
133 BLM-State-Hqtrs	430	35.8	20.9	9	0.152
135 BLM-State-Hqtrs	45	3.7	2.2	2	0.5
136 EPA	45	3.7	2.2	5	0.5
138 EPA	225	18.7	10.9	2	0.152
140 EPA	120	6.7	3.9	5	0.5
144 USACE	450	37.4	21.8	5	0.061
146 USACE	45	3.7	2.2	1	0.5
174 BIA	25	2.1	1.2	2	0.152
178 BIA-Hqtrs	25	2.1	1.2	2	0.152
195 NOAA	590	16.4	9.5	1	1.0
301 State-Alaska	245	23.8	13.9	5	0.05
303 State-Alaska	50	4.9	2.8	2	0.5
504 Unspecified	100	9.7	5.7	1	0.5
505 Unspecified	200	19.4	11.3	1	0.5

PATH 88 (EXPANDED), TOTAL LENGTH 1040 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	580	31.9	18.6	2	0.333
112 BLM-State	430	35.4	20.7	9	0.152
114 BLM-State	45	3.7	2.2	2	0.5
131 BLM-OCS-Hqtrs	580	31.9	18.6	2	0.333
133 BLM-State-Hqtrs	430	35.4	20.7	9	0.152
135 BLM-State-Hqtrs	45	3.7	2.2	2	0.5
136 EPA	50	4.1	2.4	5	0.5
138 EPA	230	19.0	11.1	2	0.152
140 EPA	120	6.6	3.8	5	0.5
144 USACE	460	37.9	22.1	5	0.061
146 USACE	50	4.1	2.4	1	0.5
195 NOAA	580	15.9	9.3	1	1.0
301 State-Alaska	250	24.0	14.0	5	0.05
303 State-Alaska	50	4.8	2.8	2	0.5
504 Unspecified	100	9.6	5.6	1	0.5
505 Unspecified	200	19.2	11.2	1	0.5

PATH 89 (EXPANDED), TOTAL LENGTH 1020 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	700	39.2	22.9	2	0.333
112 BLM-State	320	26.9	15.7	9	0.152
114 BLM-State	35	2.9	1.7	2	0.5
131 BLM-OCS-Hqtrs	700	39.2	22.9	2	0.333
133 BLM-State-Hqtrs	320	26.9	15.7	9	0.152
135 BLM-State-Hqtrs	35	2.9	1.7	2	0.5
136 EPA	35	2.9	1.7	5	0.5
138 EPA	165	13.9	8.1	2	0.152
140 EPA	140	7.8	4.6	5	0.5
144 USACE	330	27.7	16.2	5	0.061
146 USACE	35	2.9	1.7	1	0.5
195 NOAA	700	19.6	11.4	1	1.0
301 State-Alaska	205	20.1	11.7	5	0.05
303 State-Alaska	45	4.4	2.6	2	0.5
504 Unspecified	100	9.8	5.7	1	0.5
505 Unspecified	200	19.6	11.4	1	0.5

PATH 90 (EXPANDED), TOTAL LENGTH 980 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	710	41.4	24.1	2	0.333
112 BLM-State	200	17.5	10.2	9	0.152
114 BLM-State	25	2.2	1.3	2	0.5
131 BLM-OCS-Hqtrs	710	41.4	24.1	2	0.333
133 BLM-State-Hqtrs	200	17.5	10.2	9	0.152
135 BLM-State-Hqtrs	25	2.2	1.3	2	0.5
136 EPA	30	2.6	1.5	5	0.5
138 EPA	135	11.8	6.9	2	0.152
140 EPA	145	8.5	4.9	5	0.5
144 USACE	270	23.6	13.8	5	0.061
146 USACE	30	2.6	1.5	1	0.5
195 NOAA	710	20.7	12.1	1	1.0
301 State-Alaska	215	21.9	12.8	5	0.05
303 State-Alaska	45	4.6	2.7	2	0.5
504 Unspecified	100	10.2	6.0	1	0.5
505 Unspecified	200	20.4	11.9	1	0.5

PATH 91 (EXPANDED), TOTAL LENGTH 900 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	750	47.6	27.8	2	0.333
112 BLM-State	50	4.8	2.8	9	0.152
114 BLM-State	25	2.4	1.4	2	0.5
131 BLM-OCS-Hqtrs	750	47.6	27.8	2	0.333
133 BLM-State-Hqtrs	50	4.8	2.8	9	0.152
135 BLM-State-Hqtrs	25	2.4	1.4	2	0.5
136 EPA	25	2.4	1.4	5	0.5
138 EPA	45	4.3	2.5	2	0.152
140 EPA	150	9.5	5.6	5	0.5
144 USACE	90	8.6	5.0	5	0.061
146 USACE	25	2.4	1.4	1	0.5
195 NOAA	750	23.8	13.9	1	1.0
301 State-Alaska	85	9.4	5.5	5	0.05
303 State-Alaska	25	2.8	1.6	2	0.5
504 Unspecified	100	11.1	6.5	1	0.5

PATH 92 (EXPANDED), TOTAL LENGTH 690 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
107 BLM-OCS	690	57.1	33.3	2	0.333
131 BLM-OCS-Hqtrs	690	57.1	33.3	2	0.333
140 EPA	140	11.6	6.8	5	0.5
195 NOAA	690	28.6	16.7	1	1.0

State demand was estimated by all ten regions and Alaska. Regional commission demand was estimated by two scenes on every third orbit. The private sector was estimated by a 'commercial' demand of 10% of all land area and in addition, three scenes were assumed for each pass for unspecified users. Table II presents the assumptions associated with the expanded demand.

TABLE II - EXPANDED USER DEMAND

User Designation	User	Timeliness (days)	Coverage Cycle (days)	Probability of Demand
100	USDA, Salt Lake City	1	Every Pass	1.0
181	USDA, (CIP), Washington	2	" "	1.0
103	USDI, Sioux Falls	1	" "	1.0
183 + 191 182-187	USDA, ^{Forest Service} District Offices	2	30	0.333
107 108-110	BLM, OCS offices (all area) 107	2	30	0.333
112 112-129	BLM, State offices (all area)	9	60	0.152
131 114	BLM, OCS Cum.			
133, 135	BLM, state offices (10% area)	2	14	0.5
174 174-179	BLM cum. state all, 10%			
	BIA, district offices (all area)	2	60	0.152
138	EPA, Las Vegas (50% land)	2	60	0.152
140 178	BIA cum. all			
	EPA, Las Vegas (20% cont. shelf)	5	14	0.5
189	TVA, Chattanooga, all area	5	180	0.005
144-173	USACE, District offices, all area	5	120	0.061
146	NOAA ^{satellite}			> 1.0
195	USACE, District offices, 10% area	1	7	0.5
301	Alaska, Juneau 50% land	5	180	0.005
303	Alaska, Juneau <u>agriculture</u> ^{no demand for Alaska}	2	14	0.5
345-364	State regions 50% land	5	180	0.005
	State regions agriculture	2	14	0.5
367	Regional Commissions	2	180	0.005
401	Commercial	1	14	0.5
✓ 504	Unspecified	1	14	0.5
✓ 505	Unspecified	1	14	0.5

*for two satellites, 18 day repeat cycle.

Swath by swath data for this demand is given in Appendix _____.

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PATH 59 (NOMINAL), TOTAL LENGTH 120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
130 BLM-Hqtrs	30	14.3	8.3	5	0.5
144 USACE	100	71.4	41.7	5	0.333
301 State-Alaska	60	50.0	29.2	5	0.05
302 State-Alaska	25	20.8	12.2	5	0.5
500 Unspecified	100	83.3	48.6	5	0.5

PATH 60 (NOMINAL), TOTAL LENGTH 160 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
112 BLM-State	25	13.4	7.8	9	0.333
130 BLM-OCS-Hqtrs	30	10.7	6.2	5	0.5
133 BLM-State-Hqtrs	25	13.4	7.8	9	0.333
144 USACE	140	75.0	43.8	5	0.333
301 State-Alaska	80	50.0	29.2	5	0.05
302 State-Alaska	25	15.6	9.1	5	0.5
500 Unspecified	100	62.5	36.5	5	0.5
501 Unspecified	200	100.0	58.3	5	0.5

PATH 61 (NOMINAL), TOTAL LENGTH 170 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	8.4	4.9	5	0.5
112 BLM-State	50	25.2	14.7	9	0.333
130 BLM-OCS-Hqtrs	40	13.4	7.8	5	0.5
133 BLM-State-Hqtrs	50	25.2	14.7	9	0.333
144 USACE	130	65.5	38.2	5	0.333
301 State-Alaska	75	44.1	25.7	5	0.05
302 State-Alaska	25	14.7	8.6	5	0.5
500 Unspecified	100	58.8	34.3	5	0.5
501 Unspecified	200	100.0	58.3	5	0.5

PATH 62 (NOMINAL), TOTAL LENGTH 160 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
130 BLM-OCS-Hqtrs	25	8.9	5.2	5	0.5
144 USACE	150	80.4	46.9	5	0.333
301 State-Alaska	85	53.1	31.0	5	0.05
302 State-Alaska	25	15.6	9.1	5	0.5
500 Unspecified	100	62.5	36.5	5	0.5
501 Unspecified	200	100.0	58.3	5	0.5

PATH 63 (NOMINAL), TOTAL LENGTH 150 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
112 BLM-State	50	28.6	16.7	9	0.333
130 BLM-OCS-Hqtrs	25	9.5	5.6	5	0.5
133 BLM-State-Hqtrs	50	28.6	16.7	9	0.333
144 USACE	140	80.0	46.7	5	0.333
301 State-Alaska	80	53.3	31.1	5	0.05
302 State-Alaska	25	16.7	9.7	5	0.5
500 Unspecified	100	66.7	38.9	5	0.5
501 Unspecified	200	100.0	58.3	5	0.5

PATH 64 (NOMINAL), TOTAL LENGTH 120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
112 BLM-State	50	35.7	20.8	9	0.333
130 BLM-OCS-Hqtrs	30	14.3	8.3	5	0.5
133 BLM-State-Hqtrs	50	35.7	20.8	9	0.333
144 USACE	100	71.4	41.7	5	0.333
301 State-Alaska	60	50.0	29.2	5	0.05
302 State-Alaska	25	20.8	12.2	5	0.5
500 Unspecified	100	83.3	48.6	5	0.5

PATH 65 (NOMINAL), TOTAL LENGTH 70 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	20.4	11.9	5	0.5
112 BLM-State	30	36.7	21.4	9	0.333
130 BLM-OCS-Hqtrs	40	32.7	19.0	5	0.5
133 BLM-State-Hqtrs	30	36.7	21.4	9	0.333
144 USACE	30	36.7	21.4	5	0.333
301 State-Alaska	25	35.7	20.8	5	0.05
500 Unspecified	100	100.0	58.3	5	0.5

PATH 66 (NOMINAL), TOTAL LENGTH 90 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	15.9	9.3	5	0.5
112 BLM-State	25	23.8	13.9	9	0.333
130 BLM-OCS-Hqtrs	50	31.7	18.5	5	0.5
133 BLM-State-Hqtrs	25	23.8	13.9	9	0.333
144 USACE	40	38.1	22.2	5	0.333
301 State-Alaska	30	33.3	19.4	5	0.05
500 Unspecified	100	100.0	58.3	5	0.5

PATH 67 (NOMINAL), TOTAL LENGTH 100 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	14.3	8.3	5	0.5
112 BLM-State	50	42.9	25.0	9	0.333
130 BLM-OCS-Hqtrs	50	28.6	16.7	5	0.5
133 BLM-State-Hqtrs	50	42.9	25.0	9	0.333
144 USACE	60	51.4	30.0	5	0.333
301 State-Alaska	40	40.0	23.3	5	0.05
302 State-Alaska	25	25.0	14.6	5	0.5
500 Unspecified	100	100.0	58.3	5	0.5

PATH 68 (NOMINAL), TOTAL LENGTH 80 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	17.9	10.4	5	0.5
112 BLM-State	30	32.1	18.8	9	0.333
130 BLM-OCS-Hqtrs	40	28.6	16.7	5	0.5
133 BLM-State-Hqtrs	30	32.1	18.8	9	0.333
144 USACE	40	42.9	25.0	5	0.333
301 State-Alaska	30	37.5	21.9	5	0.05
500 Unspecified	100	100.0	58.3	5	0.5

PATH 69 (NOMINAL), TOTAL LENGTH 170 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	8.4	4.9	5	0.5
112 BLM-State	120	60.5	35.3	9	0.333
130 BLM-OCS-Hqtrs	40	13.4	7.8	5	0.5
133 BLM-State-Hqtrs	120	60.5	35.3	9	0.333
144 USACE	140	70.6	41.2	5	0.333
301 State-Alaska	80	47.1	27.5	5	0.05
302 State-Alaska	25	14.7	8.6	5	0.5
500 Unspecified	100	58.8	34.3	5	0.5
501 Unspecified	200	100.0	58.3	5	0.5

PATH 70 (NOMINAL), TOTAL LENGTH 280 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	5.1	3.0	5	0.5
112 BLM-State	200	61.2	35.7	9	0.333
130 BLM-OCS-Hqtrs	40	8.2	4.8	5	0.5
133 BLM-State-Hqtrs	200	61.2	35.7	9	0.333
144 USACE	250	76.5	44.6	5	0.333
301 State-Alaska	135	48.2	28.1	5	0.05
302 State-Alaska	30	10.7	6.2	5	0.5
500 Unspecified	100	35.7	20.8	5	0.5
501 Unspecified	200	71.4	41.7	5	0.5

PATH 71 (NOMINAL), TOTAL LENGTH 380 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	3.8	2.2	5	0.5
112 BLM-State	250	56.4	32.9	9	0.333
130 BLM-OCS-Hqtrs	50	7.5	4.4	5	0.5
133 BLM-State-Hqtrs	250	56.4	32.9	9	0.333
144 USACE	320	72.2	42.1	5	0.333
301 State-Alaska	170	44.7	26.1	5	0.05
302 State-Alaska	35	9.2	5.4	5	0.5
500 Unspecified	100	26.3	15.4	5	0.5
501 Unspecified	200	52.6	30.7	5	0.5

PATH 72 (NOMINAL), TOTAL LENGTH 470 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	3.0	1.8	5	0.5
112 BLM-State	330	60.2	35.1	9	0.333
130 BLM-OCS-Hqtrs	70	8.5	5.0	5	0.5
133 BLM-State-Hqtrs	330	60.2	35.1	9	0.333
144 USACE	410	74.8	43.6	5	0.333
301 State-Alaska	215	45.7	26.7	5	0.05
302 State-Alaska	45	9.6	5.6	5	0.5
500 Unspecified	100	21.3	12.4	5	0.5
501 Unspecified	200	42.6	24.8	5	0.5

PATH 73 (NOMINAL), TOTAL LENGTH 660 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	30	2.6	1.5	5	0.5
112 BLM-State	410	53.2	31.1	9	0.333
130 BLM-OCS-Hqtrs	150	13.0	7.6	5	0.5
133 BLM-State-Hqtrs	410	53.2	31.1	9	0.333
144 USACE	510	66.2	38.6	5	0.333
301 State-Alaska	265	40.2	23.4	5	0.05
302 State-Alaska	55	8.3	4.9	5	0.5
500 Unspecified	100	15.2	8.8	5	0.5
501 Unspecified	200	30.3	17.7	5	0.5

PATH 74 (NOMINAL), TOTAL LENGTH 800 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	50	3.6	2.1	5	0.5
112 BLM-State	420	45.0	26.2	9	0.333
130 BLM-OCS-Hqtrs	230	16.4	9.6	5	0.5
133 BLM-State-Hqtrs	420	45.0	26.2	9	0.333
144 USACE	620	66.4	28.8	5	0.333
301 State-Alaska	320	40.0	23.3	5	0.05
302 State-Alaska	65	8.1	4.7	5	0.5
500 Unspecified	100	12.5	7.3	5	0.5
501 Unspecified	200	25.0	14.6	5	0.5

PATH 75 (NOMINAL), TOTAL LENGTH 890 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	25	1.6	0.9	5	0.5
112 BLM-State	310	29.9	17.4	9	0.333
130 BLM-OCS-Hqtrs	80	5.1	3.0	5	0.5
133 BLM-State-Hqtrs	310	29.9	17.4	9	0.333
144 USACE	840	80.9	47.2	5	0.333
301 State-Alaska	430	48.3	28.2	5	0.05
302 State-Alaska	90	10.1	5.9	5	0.5
500 Unspecified	100	11.2	6.6	5	0.5
501 Unspecified	200	22.5	13.1	5	0.5

PATH 76 (NOMINAL), TOTAL LENGTH 980 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	30	1.7	1.0	5	0.5
112 BLM-State	170	14.9	8.7	9	0.333
130 BLM-OCS-Hqtrs	140	8.2	4.8	5	0.5
133 BLM-State-Hqtrs	170	14.9	8.7	9	0.333
144 USACE	850	74.3	43.4	5	0.333
301 State-Alaska	445	45.4	26.5	5	0.05
302 State-Alaska	90	9.2	5.4	5	0.5
500 Unspecified	100	10.2	6.0	5	0.5
501 Unspecified	200	20.4	11.9	5	0.5

PATH 77 (NOMINAL), TOTAL LENGTH 1020 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	40	2.2	1.3	5	0.5
112 BLM-State	560	47.1	27.5	9	0.333
130 BLM-OCS-Hqtrs	190	10.6	6.2	5	0.5
133 BLM-State-Hqtrs	560	47.1	27.5	9	0.333
144 USACE	850	71.4	41.7	5	0.333
301 State-Alaska	445	43.6	25.4	5	0.05
302 State-Alaska	90	8.8	5.1	5	0.5
500 Unspecified	100	9.8	5.7	5	0.5
501 Unspecified	200	19.6	11.4	5	0.5

PATH 78 (NOMINAL), TOTAL LENGTH 1070 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	35	1.9	1.1	5	0.5
112 BLM-State	750	60.1	35.0	9	0.333
130 BLM-OCS-Hqtrs	160	8.5	5.0	5	0.5
133 BLM-State-Hqtrs	750	60.1	35.0	9	0.333
144 USACE	920	73.7	43.0	5	0.333
301 State-Alaska	480	44.9	26.2	5	0.05
302 State-Alaska	100	9.3	5.5	5	0.5
500 Unspecified	100	9.3	5.5	5	0.5
501 Unspecified	200	18.7	10.9	5	0.5

PATH 79 (NOMINAL), TOTAL LENGTH 1100 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	45	2.3	1.4	5	0.5
112 BLM-State	820	63.9	37.3	9	0.333
130 BLM-OCS	220	11.4	6.7	5	0.5
133 BLM-State	820	63.9	37.3	9	0.333
144 USACE	890	69.4	40.5	5	0.333
301 State-Alaska	485	44.1	25.7	5	0.05
302 State-Alaska	100	9.1	5.3	5	0.5
500 Unspecified	100	9.1	5.3	5	0.5
501 Unspecified	200	18.2	10.6	5	0.5

PATH 80 (NOMINAL), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	65	3.3	1.9	5	0.5
112 BLM-State	740	56.6	33.0	9	0.333
130 BLM-OCS-Hqtrs	310	15.8	9.2	5	0.5
133 BLM-State-Hqtrs	740	56.6	33.0	9	0.333
144 USACE	820	62.8	36.6	5	0.333
301 State-Alaska	450	40.2	23.4	5	0.05
302 State-Alaska	90	8.0	4.7	5	0.5
500 Unspecified	100	8.9	5.2	5	0.5
501 Unspecified	200	17.9	10.4	5	0.5

PATH 81 (NOMINAL), TOTAL LENGTH 1130 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	70	3.5	2.1	5	0.5
112 BLM-State	800	60.7	35.4	9	0.333
130 BLM-OCS-Hqtrs	340	17.2	10.0	5	0.5
133 BLM-State-Hqtrs	800	60.7	35.4	9	0.333
144 USACE	810	61.4	35.8	5	0.333
301 State-Alaska	445	39.4	23.0	5	0.05
302 State-Alaska	90	8.0	4.6	5	0.5
500 Unspecified	100	8.8	5.2	5	0.5
501 Unspecified	200	17.7	10.3	5	0.5

PATH 82 (NOMINAL), TOTAL LENGTH 1160 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	70	3.4	2.0	5	0.5
112 BLM-State	730	53.9	31.5	9	0.333
130 BLM-OCS-Hqtrs	340	16.7	9.8	5	0.5
133 BLM-State-Hqtrs	730	53.9	31.5	9	0.333
144 USACE	830	61.3	35.8	5	0.333
301 State-Alaska	455	39.2	22.9	5	0.05
302 State-Alaska	95	8.2	4.8	5	0.5
500 Unspecified	100	8.6	5.0	5	0.5
501 Unspecified	200	17.2	10.1	5	0.5

PATH 83 (NOMINAL), TOTAL LENGTH 1140 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	80	4.0	2.3	5	0.5
112 BLM-State	730	54.9	32.0	9	0.333
130 BLM-OCS-Hqtrs	400	20.1	11.7	5	0.5
133 BLM-State-Hqtrs	730	54.9	32.0	9	0.333
144 USACE	730	54.9	32.0	5	0.333
301 State-Alaska	405	35.5	20.7	5	0.05
302 State-Alaska	85	7.5	4.3	5	0.5
500 Unspecified	100	8.8	5.1	5	0.5
501 Unspecified	200	17.5	10.2	5	0.5

PATH 84 (NOMINAL), TOTAL LENGTH 1120 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	80	4.1	2.4	5	0.5
112 BLM-State	730	55.9	32.6	9	0.333
130 BLM-OCS-Hqtrs	400	20.4	11.9	5	0.5
133 BLM-State-Hqtrs	730	55.9	32.6	9	0.333
144 USACE	730	55.9	32.6	5	0.333
301 State-Alaska	405	36.2	21.1	5	0.05
302 State-Alaska	85	7.6	4.4	5	0.5
500 Unspecified	100	8.9	5.2	5	0.5
501 Unspecified	200	17.9	10.4	5	0.5

PATH 85 (NOMINAL), TOTAL LENGTH 1130 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	90	4.6	2.7	5	0.5
112 RLM-State	540	41.0	23.9	9	0.333
130 BLM-OCS-Hqtrs	430	21.7	12.7	5	0.5
133 BLM-State-Hqtrs	540	41.0	23.9	9	0.333
144 USAGE	720	54.6	31.9	5	0.333
301 State-Alaska	420	37.2	21.7	5	0.05
302 State-Alaska	85	7.5	4.4	5	0.5
500 Unspecified	100	8.8	5.2	5	0.5
501 Unspecified	200	17.7	10.3	5	0.5

PATH 86 (NOMINAL), TOTAL LENGTH 1040 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	95	5.2	3.0	5	0.5
112 BLM-State	570	47.0	27.4	9	0.333
130 BLM-OCS-Hotrs	470	25.8	15.1	5	0.5
133 BLM-State-Hotrs	570	47.0	27.4	9	0.333
144 USACE	620	51.1	29.8	5	0.333
301 State-Alaska	370	35.6	20.8	5	0.05
302 State-Alaska	75	7.2	4.2	5	0.5
500 Unspecified	100	9.6	5.6	5	0.5
501 Unspecified	200	19.2	11.2	5	0.5

PATH 87 (NOMINAL), TOTAL LENGTH 1030 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	120	6.7	3.9	5	0.5
112 BLM-State	430	35.8	20.9	9	0.333
130 BLM-OCS-Hqtrs	590	32.7	19.1	5	0.5
133 BLM-State-Hqtrs	430	35.8	20.9	9	0.333
144 USACE	450	37.4	21.8	5	0.333
301 State-Alaska	245	23.8	13.9	5	0.05
302 State-Alaska	50	4.9	2.8	5	0.5
500 Unspecified	100	9.7	5.7	5	0.5
501 Unspecified	200	19.4	11.3	5	0.5

PATH 88 (NOMINAL), TOTAL LENGTH 1040 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	120	6.6	3.8	5	0.5
112 BLM-State	430	35.4	20.7	9	0.333
130 BLM-OCS-Hqtrs	580	31.9	18.6	5	0.5
133 BLM-State-Hqtrs	430	35.4	20.7	9	0.333
144 USACE	460	37.9	22.1	5	0.333
301 State-Alaska	250	24.0	14.0	5	0.05
302 State-Alaska	50	4.8	2.8	5	0.5
500 Unspecified	100	9.6	5.6	5	0.5
501 Unspecified	200	19.2	11.2	5	0.5

PATH 89 (NOMINAL), TOTAL LENGTH 1020 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	140	7.8	4.6	5	0.5
112 BLM-State	320	26.9	15.7	9	0.333
130 BLM-OCS-Hqtrs	700	39.2	22.9	5	0.5
133 BLM-State-Hqtrs	320	26.9	15.7	9	0.333
144 USACE	330	27.7	16.2	5	0.333
301 State-Alaska	205	20.1	11.7	5	0.05
302 State-Alaska	45	4.4	2.6	5	0.5
500 Unspecified	100	9.8	5.7	5	0.5
501 Unspecified	200	19.6	11.4	5	0.5

PATH 90 (NOMINAL), TOTAL LENGTH 980 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	145	8.5	4.9	5	0.5
112 BLM-State	200	17.5	10.2	9	0.333
130 BLM-OCS-Hqtrs	710	41.4	24.1	5	0.5
133 BLM-State-Hqtrs	200	17.5	10.2	9	0.333
144 USACE	270	23.6	13.8	5	0.333
301 State-Alaska	215	21.9	12.8	5	0.05
302 State-Alaska	45	4.6	2.7	5	0.5
500 Unspecified	100	10.2	6.0	5	0.5
501 Unspecified	200	20.4	11.9	5	0.5

PATH 91 (NOMINAL), TOTAL LENGTH 900 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	150	9.5	5.6	5	0.5
112 BLM-State	50	4.8	2.8	9	0.333
130 BLM-OCS-Hqtrs	750	47.6	27.8	5	0.5
133 BLM-State-Hqtrs	50	4.8	2.8	9	0.333
144 USAGE	90	8.6	5.0	5	0.333
301 State-Alaska	85	9.4	5.5	5	0.05
302 State-Alaska	25	2.8	1.6	5	0.5
500 Unspecified	100	11.1	6.5	5	0.5

PATH 92 (NOMINAL), TOTAL LENGTH 690 (NM)

USER	LENGTH (NM)	% OF TOTAL SWATH DATA		TIMELINESS (DAYS)	PROBABILITY OF DEMAND
		30m	10m		
108 BLM-OCS	140	11.6	6.8	5	0.5
130 BLM-OCS-Hatrs	690	57.1	33.3	5	0.5

APPENDIX EDERIVATION OF EQUATION FOR CALCULATING THE BREAK-EVEN HOURS
OF USAGE FOR DEDICATED LANDLINE SERVICE

The general equation for the curves of Figures 7-8 and 7-9 is obtained as follows.

Let

AC_d , AC_m be the annual cost of a dedicated and of a metered link, respectively,

L be the link length, in miles,

C_{fd} , C_{fm} be the fixed cost per terminal (or per end) per month of a dedicated and of a metered link, respectively,

m be the number of users that share the cost of the metered-link terminal that is located at the distribution center,

C_{ld} be the cost per mile per month for a dedicated link,

C_{lm} be the cost per mile per second for use of a metered link, and

H be the number of hours per year the link is utilized.

Then,

$$AC_d = 12 \times (2C_{fd} + LC_{ld})$$

$$AC_m = 12 \times (1 + 1/m) C_{fm} + 3600 HLC_{lm}$$

To find the annual usage (in hours) such that the annual costs of dedicated and metered service are the same, set $AC_d = AC_m$ and solve for H . Or,

$$H = \frac{12 \times 2C_{fd} + 12LC_{ld} - 12(1 + 1/m) C_{fm}}{3600 LC_{lm}}$$

APPENDIX F
USER-OWNED TERMINAL COST CALCULATIONS

Tables F-1 and F-2 show the cost calculations for the data points of Figure 7-16. Tables F-3 and F-4 provide the supporting calculations for $C_{ET}(R_d, n)$ used in generating Figures 7-23 and 7-24, and Figures 7-26 and 7-27, respectively.

Table F-1

Initial Installed Cost of a Single UOT for Various Values of UOT G/T

(In Support of Figure 7-16)

UOT G/T (dB/°K)	10		20		25		30		35
• PREAMPLIFIER TYPE ⁽¹⁾	TDA/FET	PARAMP	TDA/FET	PARAMP	TDA/FET	PARAMP	TDA/FET	PARAMP	PARAMP
• ANTENNA DIAMETER (m)	1.7 ⁽²⁾	1.1 ⁽²⁾	3.0 ⁽²⁾	1.9 ⁽²⁾	4.9	3.4 ⁽²⁾	8.7	5.2	9.3
• ANTENNA BEAMWIDTH BETWEEN HALF-POWER POINTS (degrees)	1.1	1.8	0.63	1.0	0.38	0.6	0.22	0.34	0.19
• SYSTEM COSTS (\$K)									
EQUIPMENT									
ANTENNA SYSTEM	3.0	2.5	4.0	3.0	11.5 ⁽³⁾	5.0	41.0 ⁽³⁾	13.0 ⁽³⁾	47.6 ⁽³⁾
(Reflector, Feed, Limited-Motion Mount)									
STEP TRACK SYSTEM							8.0	8.0	8.0
PREAMPLIFIER (LNA)	2.0	18.0	2.0	18.0	2.0	18.0	2.0	18.0	18.0
DOWN CONVERTER	- 6.0 -		- 6.0 -		- 6.0 -		- 6.0 -		6.0
DEMODULATOR (1 RATE)	- 14.0 -		- 14.0 -		- 14.0 -		- 14.0 -		14.0
ADDRESS & DATA EXTRACTION	- 20.0 -		- 20.0 -		- 20.0 -		- 20.0 -		20.0
MISCELLANEOUS	- 2.0 -		- 2.0 -		5.0	2.0	5.0	5.0	5.0
TOTAL EQUIPMENT COST	47.0	62.5	48.0	63.0	58.5	65.0	96.0	84.0	118.6
HANDLING OVERHEAD (10%)	4.7	6.3	4.8	6.3	5.9	6.5	9.6	8.4	11.9
INTEGRATION, INSTALLATION & TEST (20%)	10.3	13.8	10.6	13.9	12.9	14.3	21.1	18.5	26.1
PROFIT (10%)	6.2	8.3	6.3	8.3	7.7	8.6	12.7	11.1	15.7
• TOTAL UOT INSTALLED COST	68.2	90.9	69.7	91.5	85.0	94.4	139.4	122.0	172.3

(1) TDA/FET $T_e = 400^\circ\text{K}$, Uncooled Paramp $T_e = 120^\circ\text{K}$ (2) 55% efficient. All other antennas are 65% efficient.(3) The cost, $C(D)$, of antennas whose diameter D , is between 3m and 10m is given by $C(D) = \$12K \cdot (D/5)^{2.2}$

Table F-2

Initial Installed Cost of a Single 5m UOT with Either a TDA/FET
Or a Paramp LNA and With or Without a Step-Track System

(In Support of Figure 7-16)

COST (\$K)				COMPONENT
TRACKING		NO TRACKING		
TDA/FET	PARAMP	TDA/FET	PARAMP	
12.0	12.0	12.0	12.0	ANTENNA
8.0	8.0			TRACKING (STEP-TRACK) SYSTEM
2.0	18.0	2.0	18.0	LNA
6.0	6.0	6.0	6.0	DOWN CONVERTER
14.0	14.0	14.0	14.0	DEMODULATOR (1 RATE)
20.0	20.0	20.0	20.0	ADDRESS & DATA EXTRACTION
5.0	5.0	5.0	5.0	MISCELLANEOUS
67.0	83.0	59.0	75.0	SUB-TOTAL
6.7	8.3	5.9	7.5	HANDLING OVERHEAD (10%)
73.7	91.3	64.9	82.5	SUB-TOTAL
14.7	18.3	13.0	16.5	INTEGRATION, INSTALLATION & TEST (20%)
88.4	109.6	77.9	99.0	SUB-TOTAL
8.8	11.0	7.8	9.9	PROFIT (10%)
97.2	120.6	85.7	108.9	TOTAL INITIAL INSTALLED UOT COST
25.6	29.7	25.6	29.7	G/T

Table F-3
Initial Installed Cost of a Single UOT, $C_{ET}(R_d, 1)^*$,
For Various Values of UOT G/T
(In Support of Figures 7-23 and 7-24)

R_d (Mbps)	G/T (dB/°K)**	$C_{ET}(R_d, 1)$ (UOT COST)
1	13.5	\$68K
5	20.5	\$71K
10	23.5	\$77K
20	26.5	\$98K
40	29.5	\$109K

* $C_{ET}(R_d, n)$ of Eq. (7-4) is equal to $C_{ET}(R_d, 1) \cdot Q(n)$; $Q(n)$ is shown in Figure 7-17.

** From the equation given in Table G-2, $G/T = R_d - P - 6.5$ dB/°K. Since, in this case, the entire transponder EIRP is being used to support these terminals, $P = 40$ dBW and $G/T = R_d - 46.5$ dB/°K. With G/T known, $C_{ET}(R_d, 1) = C_{ET}(G/T)$ is found from Figure 7-16.

Table F-4
Initial Installed Cost of a Single, Reduced-Cost UOT, $C_{ET}(R_d, 1)^*$
For Various Values of UOT G/T

(In Support of Figures 7-26 and 7-27)

R_d (Mbps)	1	5	10	20	40
G/T (dB/°K)**	13.5	20.5	23.5	26.5	29.5
COSTS (\$K)					
ANTENNA	2.0	3.0	3.5	7.3	12.0
PREAMPLIFIER	2.0	2.0	2.0	2.0	2.0
DOWN CONVERTER	6.0	6.0	6.0	6.0	6.0
DEMODULATOR	5.0	5.0	5.0	5.0	5.0
ADDRESS & DATA EXTRACTION	10.0	10.0	10.0	10.0	10.0
MISCELLANEOUS	2.0	2.0	2.0	5.0	5.0
TOTAL EQUIPMENT COSTS	27.0	28.0	28.5	35.3	40.0
HANDLING OVERHEAD (10%)	2.7	2.8	2.9	3.5	4.0
SUB-TOTAL	29.7	30.8	31.4	38.8	44.0
INTEGRATION, INSTALLATION & TEST (20%)	5.9	6.2	6.3	7.8	8.8
SUB-TOTAL	35.6	37.0	37.7	46.6	52.8
PROFIT (10%)	3.6	3.7	3.8	4.7	5.3
INITIAL INSTALLED COST	\$39.2K	\$40.7K	\$41.5K	\$51.3K	\$58.1K

* $C_{ET}(R_d, n) = C_{ET}(R_d, 1) Q(n)$; $Q(n)$ is shown in Figure 7-17.

**From the equation given in Table G-2, $G/T = R_d - P - 6.5$ dB/°K. Since the entire transponder EIRP is being used to support these terminals, $P = 40$ dBW, giving $G/T = R_d - 46.5$ dB/°K.

APPENDIX G
UOT G/T AND LINK BUDGETS FOR LEASED-TRANSPONDER
TRANSMISSION ALTERNATIVE

This appendix shows the UOT G/T and the associated link budget calculations for the leased-transponder transmission alternative at 11.7 GHz (Ku-band). The fact that the required UOT G/T is independent of received data rate, R_d , is then established. The final table in this appendix contains the up-link budget for the trunking link terminals.

G.1 G/T and Down-Link Budget Calculations .

The calculations to determine the G/T of a UOT are shown in Table G-1. The link budget calculations are given in Table G-2.

G.2 UOT G/T Independent of R_d .

From Table G-2, the required UOT G/T is given by:

$$G/T = R_d - P - 6.5 \text{ dB/}^{\circ}\text{K} \quad (\text{G-1})$$

where R_d is the UOT received data rate and

P is the satellite EIRP (dBW) used in support of this data rate.

It will be shown in this section that, according to the assumptions stated in Section 7.2.2.1 (and restated below for convenience), Eq. (G-1) can be rewritten as

$$G/T = K - \text{EIRP}_T \text{ dB/}^{\circ}\text{K} \quad (\text{G-2})$$

where K is a constant and EIRP_T is the total available satellite EIRP per transponder. In words, it will be shown that the G/T of UOT's is independent of the required rate at which these terminals receive their data.

The pertinent assumptions from Section 7.2.2.1 are:

- The single-carrier saturated EIRP of a satellite transponder is allocated to a user in direct proportion to the fractional bandwidth

Table G-1
G/T Assumptions And Calculations
User-Owned, Ku-Band Terminals

ANTENNA GAIN	G	dB
COUPLING LOSS FOR TRACKING RECEIVER, WAVEGUIDE, ETC.	0.5	dB
POINTING LOSS, POLARIZATION LOSSES, AGEING, ETC.	1.2	dB
ANTENNA NOISE TEMPERATURE AT INPUT PORT, 30°K REFERENCED TO LNR INPUT, 27°K		
NOISE CONTRIBUTION FROM COUPLING LOSS	31.6°K	
PREAMPLIFIER NOISE TEMPERATURE		
TDA/FET	400°K	
UNCOOLED PARAMP	120°K	
SYSTEM NOISE TEMPERATURE		
TDA/FET	458.6	26.6 dB-°K
UNCOOLED PARAMP	178.6	22.5 dB-°K
SYSTEM G/T		
TDA/FET	G - 28.3	dB/°K
UNCOOLED PARAMP	G - 24.2	dB/°K

Table G-2
Link Budget
User-Owned, Ku-Band (11.7 GHz) Terminals

SATELLITE EIRP	P dBW
PROPAGATION LOSSES	
PATH (5° ELEVATION)	-206.0 dB
RAIN AND ATMOSPHERIC (99% AVAILABILITY)	- 1.0 dB
G/T DEGRADATION (RAIN) ⁽¹⁾	- 1.15 dB
BOLTZMANN'S CONSTANT	228.6 dBW-°K
UOT G/T	G/T
RECEIVE C/kT	P + 20.45 + G/T dB-Hz
REQUIRED E_b/N_o ($P_e = 10^{-5}$) (QPSK)	9.8 dB
MODULATION LOSS	1.0 dB
LINK MARGIN	2.0 dB
C/kT DEGRADATION FROM UPLINK AND SATELLITE INTERMOD ⁽²⁾	1.15 dB
DATA RATE	R_d dB-Hz
REQUIRED G/T	$R_d - P - 6.5$ dB/°K

(1) When the Uncooled (120°K) Paramp is used

(2) Assumes $(C/kT)_u = 5(C/kT)_d$ and $(C/kT)_{im} = 2(C/kT)_u$

of the transponder leased by the user. However, only 80% of the power that is allocated is actually available to the user.

- A user must lease a fraction of the satellite transponder bandwidth that is 20% larger than that actually required to sustain the data rate received by his terminal.

Restating these assumptions mathematically gives the following equations:

$$P = \text{EIRP}_T + 10 \log_{10} \frac{\text{BW}_{\text{Leased}}}{\text{BW}_T} + 10 \log 0.8 \quad \text{dBW} \quad (\text{G-3})$$

where P and EIRP_T are as defined above and $\text{BW}_{\text{Leased}}$ and BW_T are, respectively, the transponder bandwidth leased by the user and the total transponder bandwidth, both in MHz; and,

$$\text{BW}_{\text{Leased}} = 1.2 \text{ BW}_{\text{req}} \quad (\text{G-4})$$

Substituting (G-3) and (G-4) into (G-2) gives

$$G/T = R_d - \text{EIRP}_T - 10 \log_{10} \frac{1.2 \text{ BW}_{\text{req}}}{\text{BW}_T} - 10 \log 0.8 - 6.5 \quad \text{dB/}^\circ\text{K} \quad (\text{G-5})$$

The required link bandwidth, BW_{req} , is generally represented as directly proportional to the desired data rate with values of the proportionality constant, β , ranging between 0.67 and 1.0 [1]. Equation (G-5) may then be expressed as:

$$G/T = R_d - \text{EIRP}_T - 10 \log \frac{1.2\beta}{\text{BW}_T} - R_d - 10 \log 0.8 - 6.5 \quad \text{dB/}^\circ\text{K}$$

or since, in any given situation, BW_T and β are fixed,

$$G/T = K - \text{EIRP}_T \quad \text{dB/}^\circ\text{K}$$

which was to be shown, where $K = 10 \log_{10} \frac{\text{BW}_T}{1.2\beta} - 10 \log_{10} 0.8 - 6.5$,

$$= 10 \log (\text{BW}_T/\beta) - 6.32$$

With $\text{BW}_T = 40 \text{ MHz}$ and $\beta = 1$,

$$G/T = 69.7 - \text{EIRP}_T$$

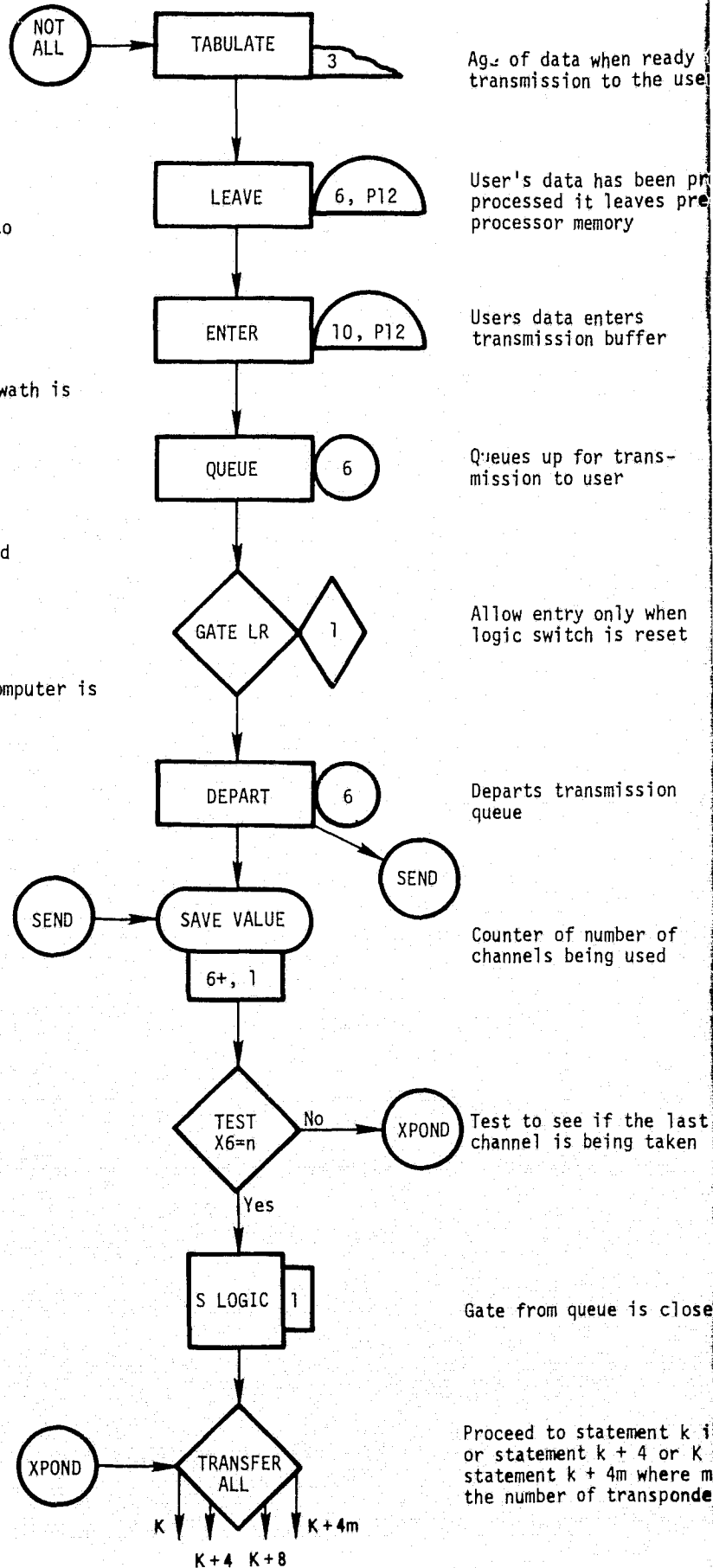
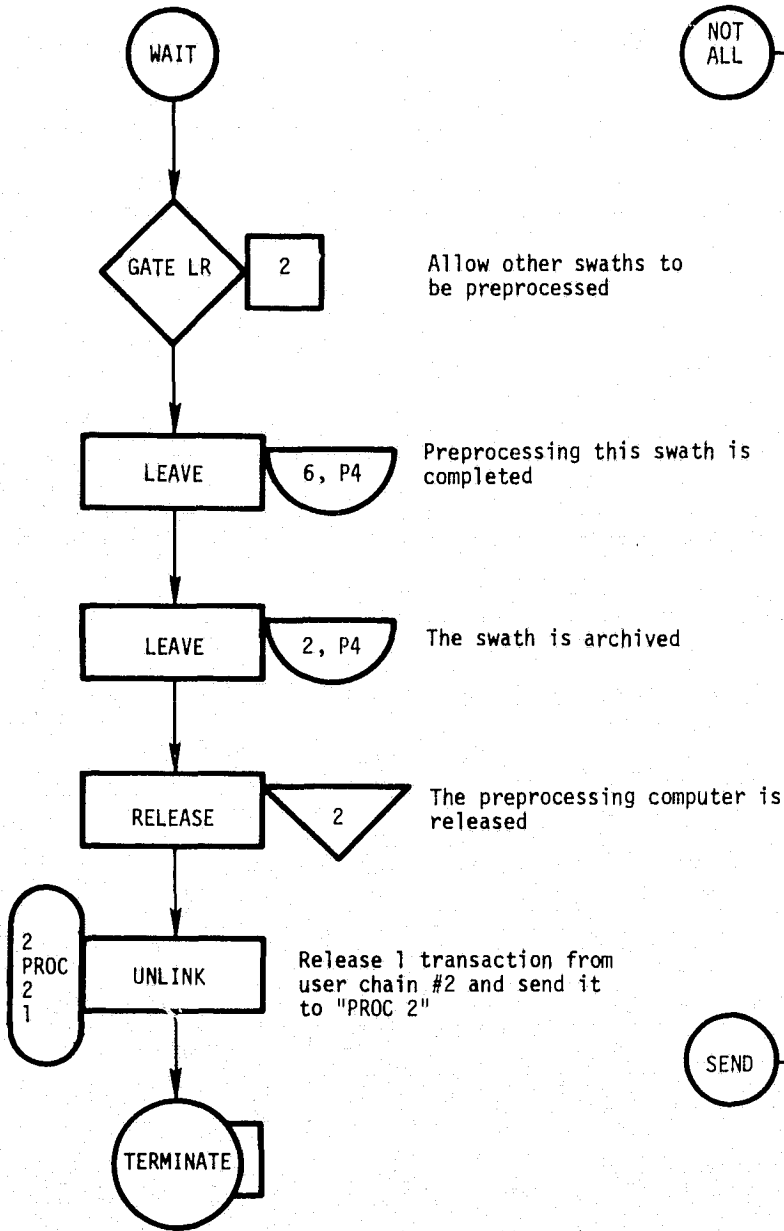
Table G-3 presents the up-link budget for the trunking terminal of the leased-transponder transmission alternative. To accommodate link data rates greater than 13 Mbps, the terminal up-link EIRP would need to be increased. For example, a 60-Mbps link would require either a 10m antenna or a 2kW HPA or some combination of lesser values of both antenna size and HPA rating.

Table G-3
Trunking Terminal Uplink Budget

TERMINAL ANTENNA GAIN (5m, 65% Eff., 14.2 GHz)	55.6 dB
TERMINAL HPA RATING (500 W)	27.0 dBW
LOSSES	- 1.0 dB
TERMINAL EIRP	81.6 dBW
PATH LOSS	-208.0 dB
RAIN LOSS	- 2.0 dB
TRANSPONDER G/T	- 8.0 dB/°K
BOLTZMANN'S CONSTANT	228.6 dBW/Hz/°K
RECEIVED C/kT	92.2 dB-Hz
REQUIRED E_b/N_o (For $P_e = 10^{-5}$)	9.8 dB
MODULATION LOSS	1.0 dB
LINK MARGIN	2.0 dB
DATA RATE (10 Mbps)	70.0 dB-Hz
DEGRADATION FROM DOWNLINK & INTERMOD	8.2 dB
REQUIRED C/kT	91.0 dB-Hz
RECEIVED C/kT - REQUIRED C/kT = 1.2 dB > 0	

APPENDIX H
DETAILED FLOW CHARTS -
EARTH RESOURCES DATA DISSEMINATION SIMULATION PROGRAM

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Age of data when ready for transmission to the user

User's data has been pre-processed it leaves pre-processor memory

Users data enters transmission buffer

Queues up for transmission to user

Allow entry only when logic switch is reset

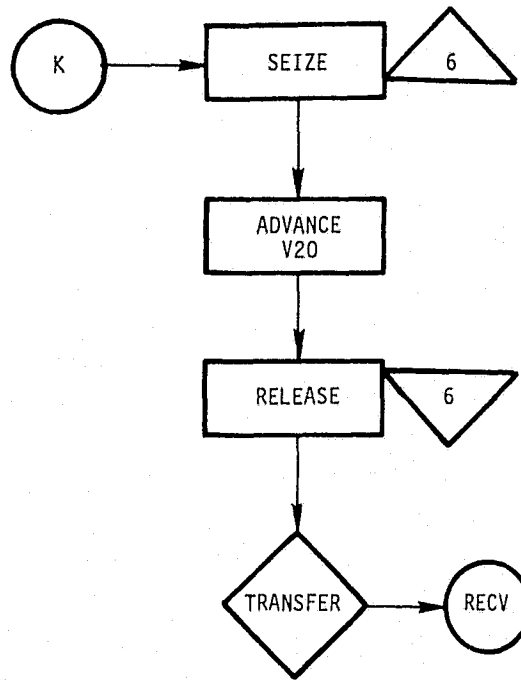
Departs transmission queue

Counter of number of channels being used

Test to see if the last channel is being taken

Gate from queue is closed

Proceed to statement k if available
or statement k + 4 or K + 8 or
statement k + 4m where m + 1 is
the number of transponders available

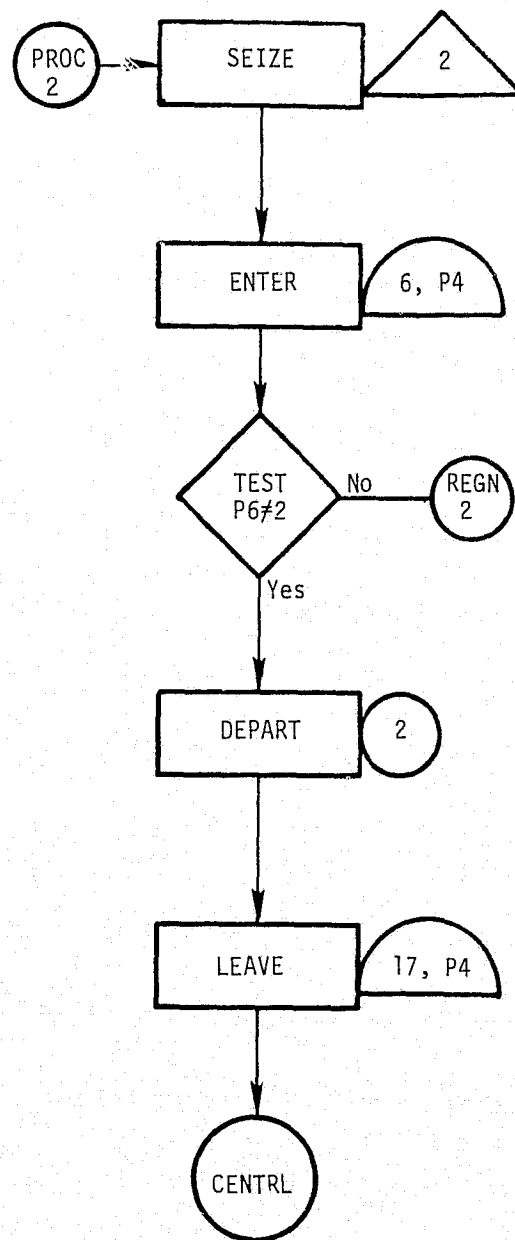
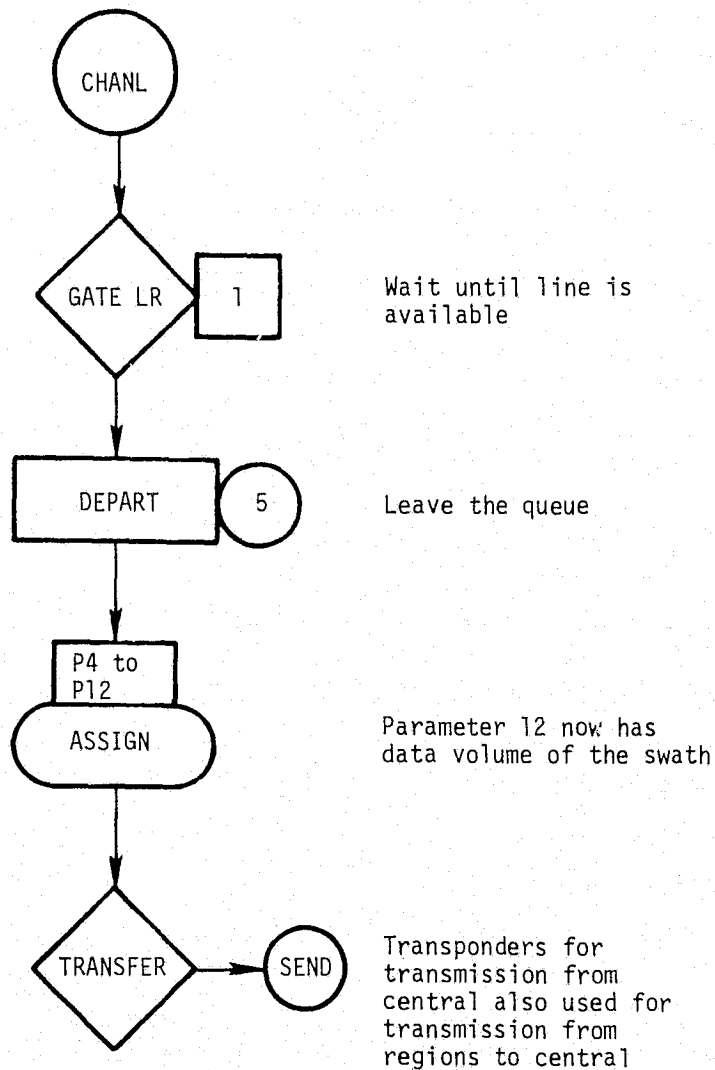


First channel (transponder) is grabbed

Transmission time depends on rate of transponder and data volume

Channel is set free

Data is transferred to "RECV" above 4 blocks are repeated for channels 7, 8, ..., 6 + m with exception of no transfer to "REC" associated with channel (6 + m)

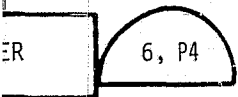
INTERREGIONAL LINK

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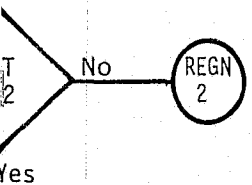
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Seize the preprocessing computer



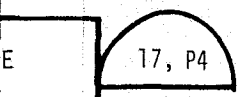
Data enters preprocessor memory



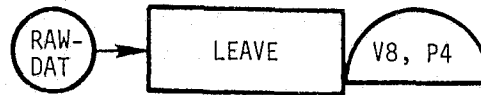
If region 2 data continue preprocessing tasks



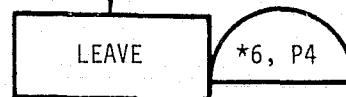
Preprocessor queue left



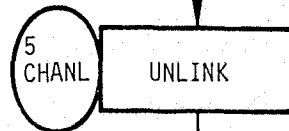
Out of central inter-region receive buffer



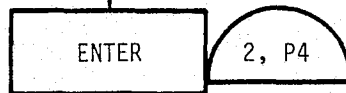
The data has left transmission buffer



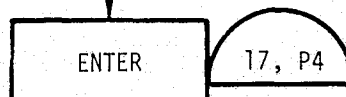
And the entire regional memory



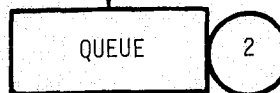
Unlink 1 swath from user chain 5 and dispatch it to CHANL



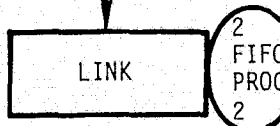
Enter central memory



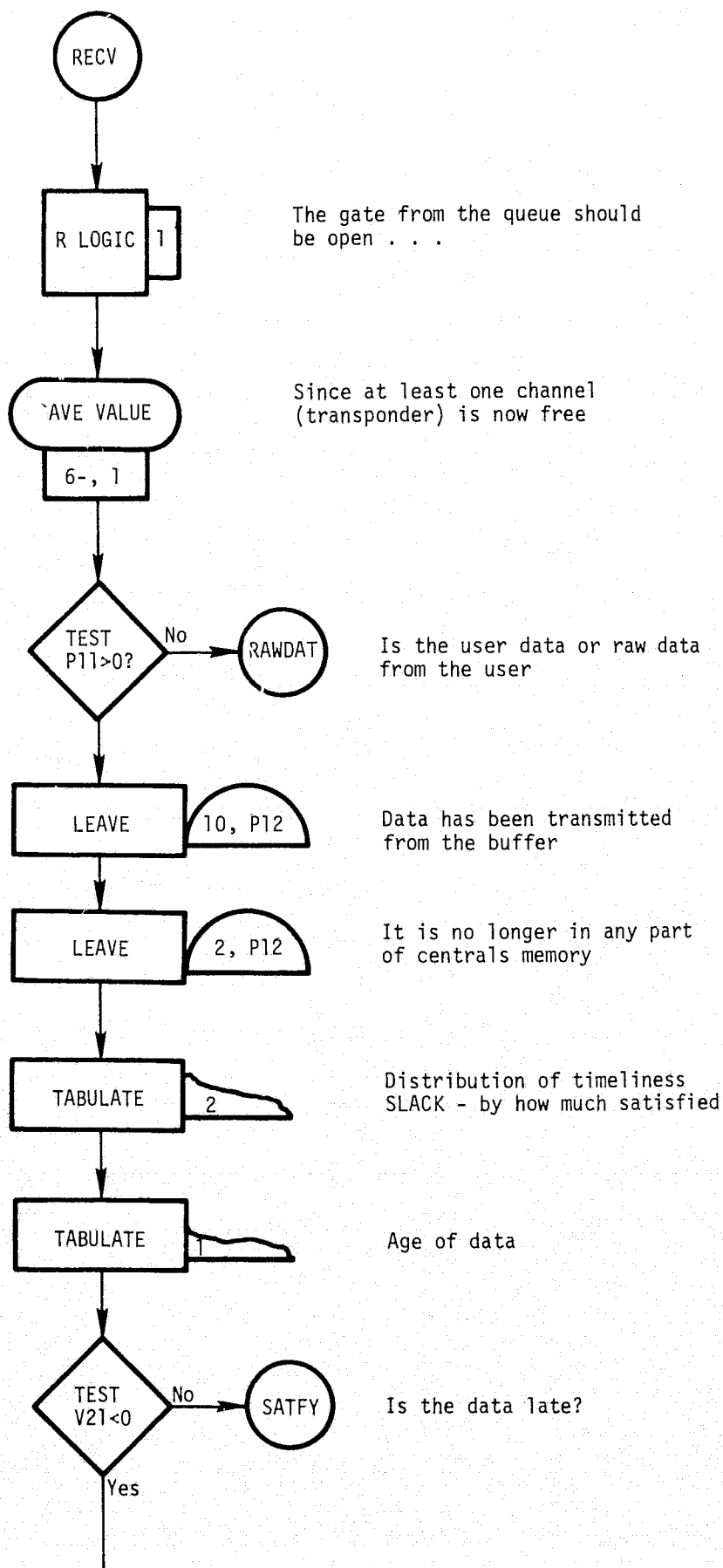
Central inter-regional receive buffer



Queue for central preprocessor

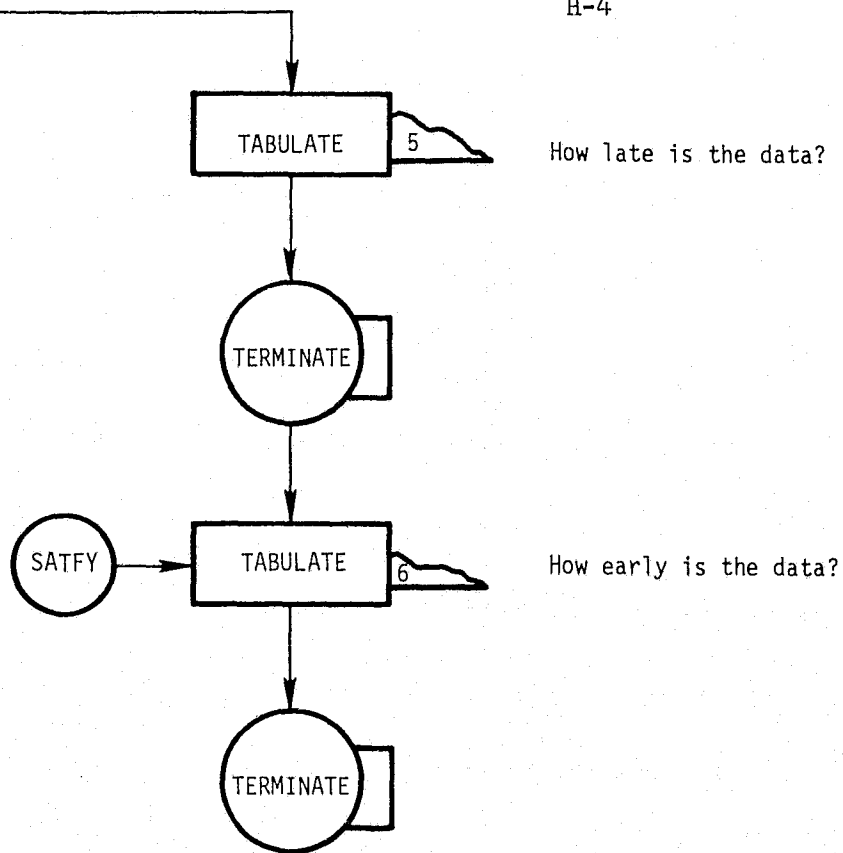


If computer is free, take it, otherwise, go to user chain 2 and exit chain to Proc using FIFO queueing discipline when computer is available



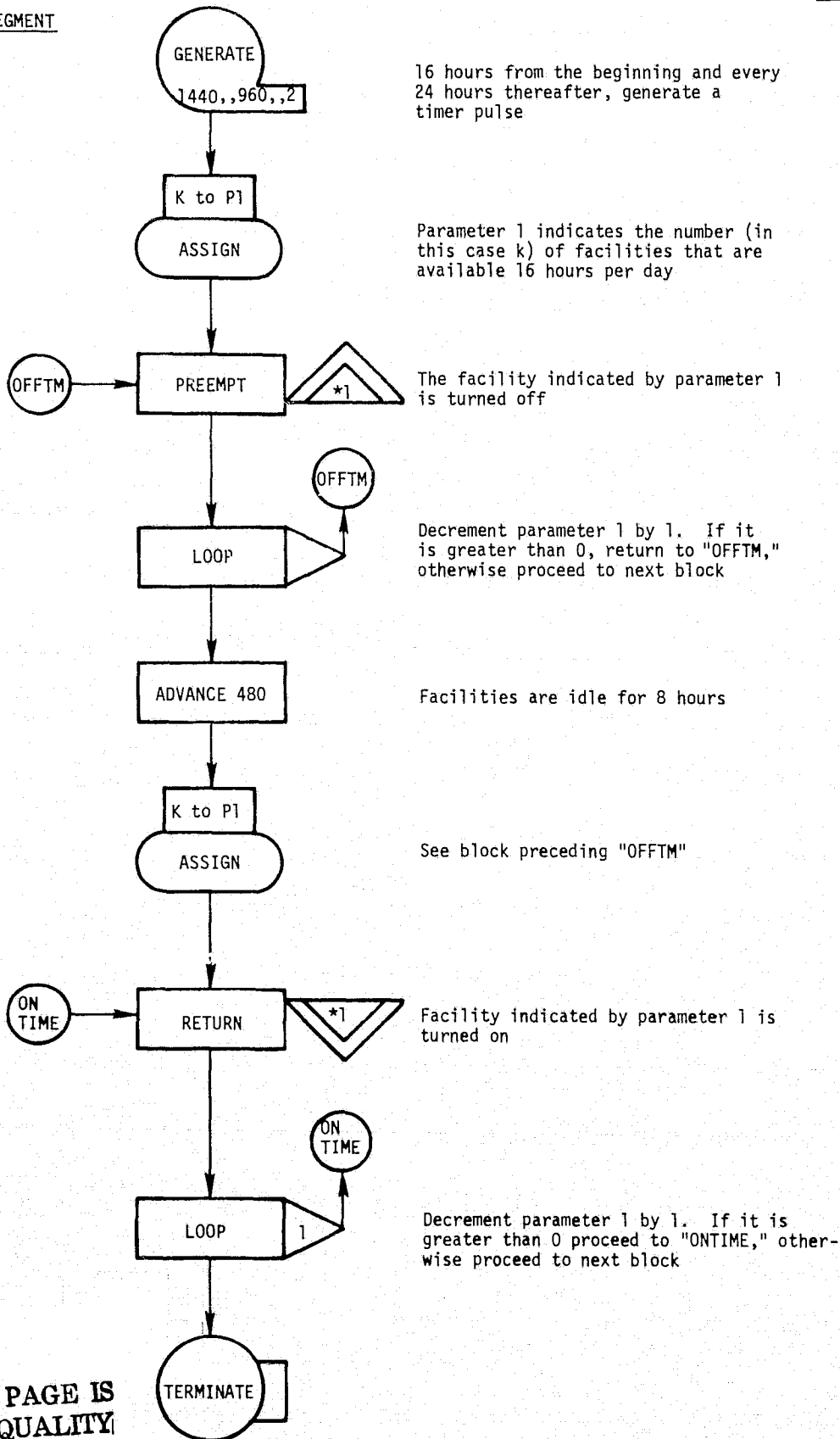
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H-4

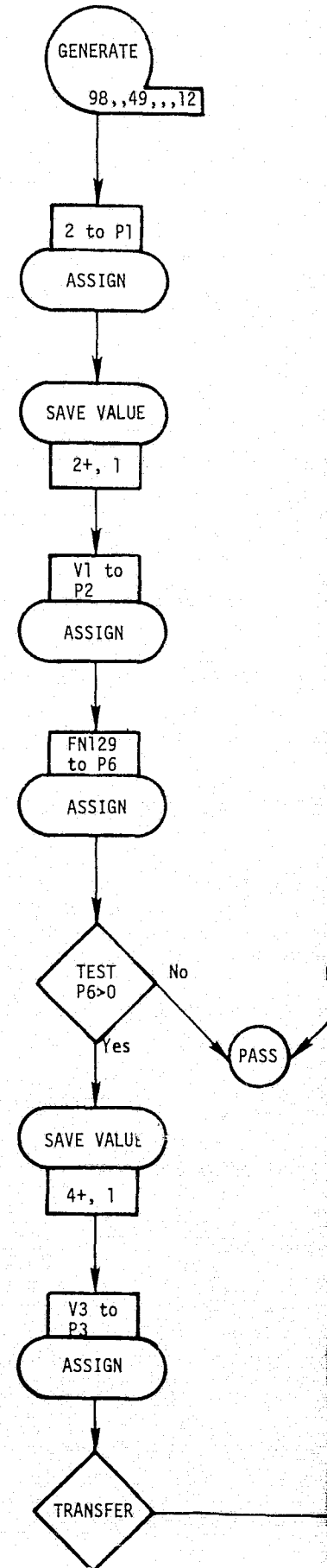


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SHIFT WORK SEGMENT

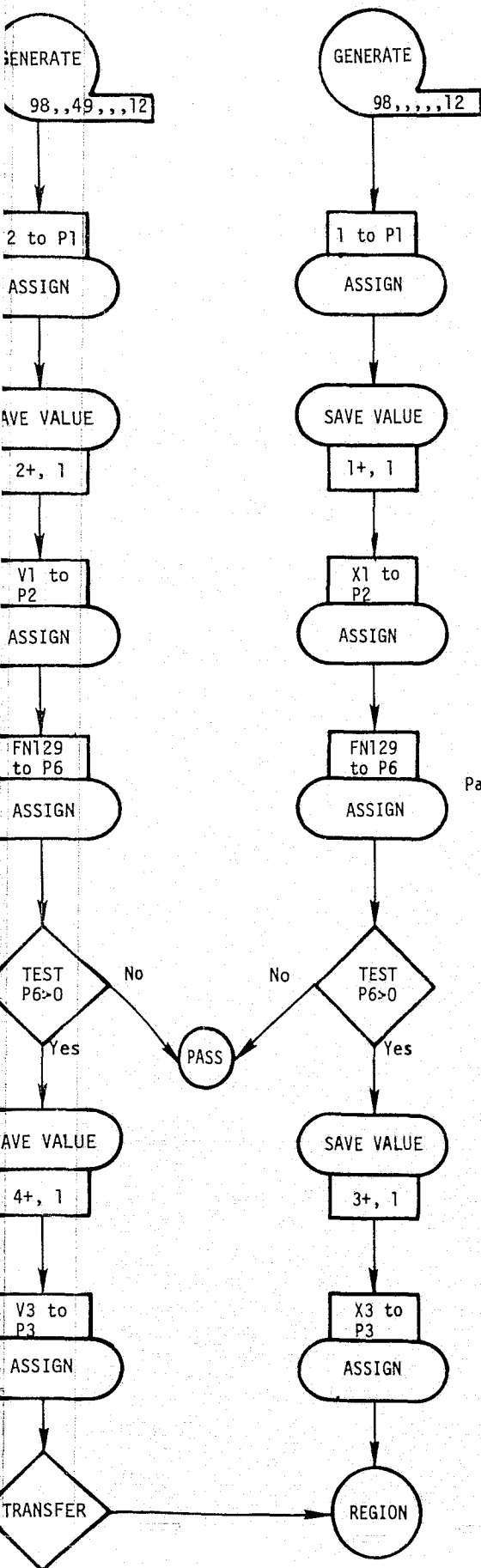


SATELLITE 1



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Satellite orbit period is 98 minutes.
There are 16 parameters associated
with each swath over CONUS. Satellite
2 is always at least 1/2 orbit away from
CONUS when Satellite 1 is over CONUS

Parameter 1: satellite identifier

Orbit counter

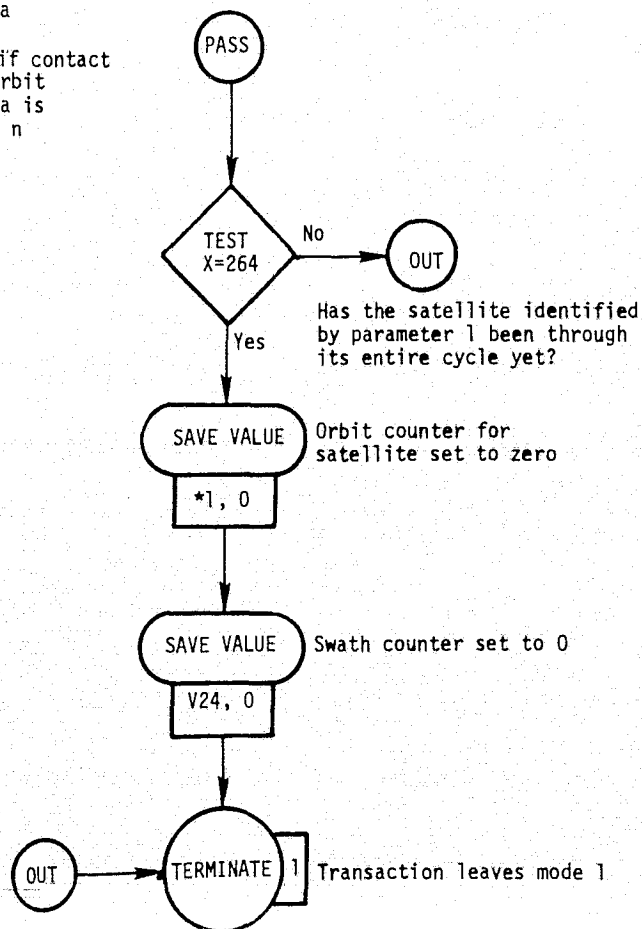
Parameter 2 indicates
what orbit the swath
of data came from

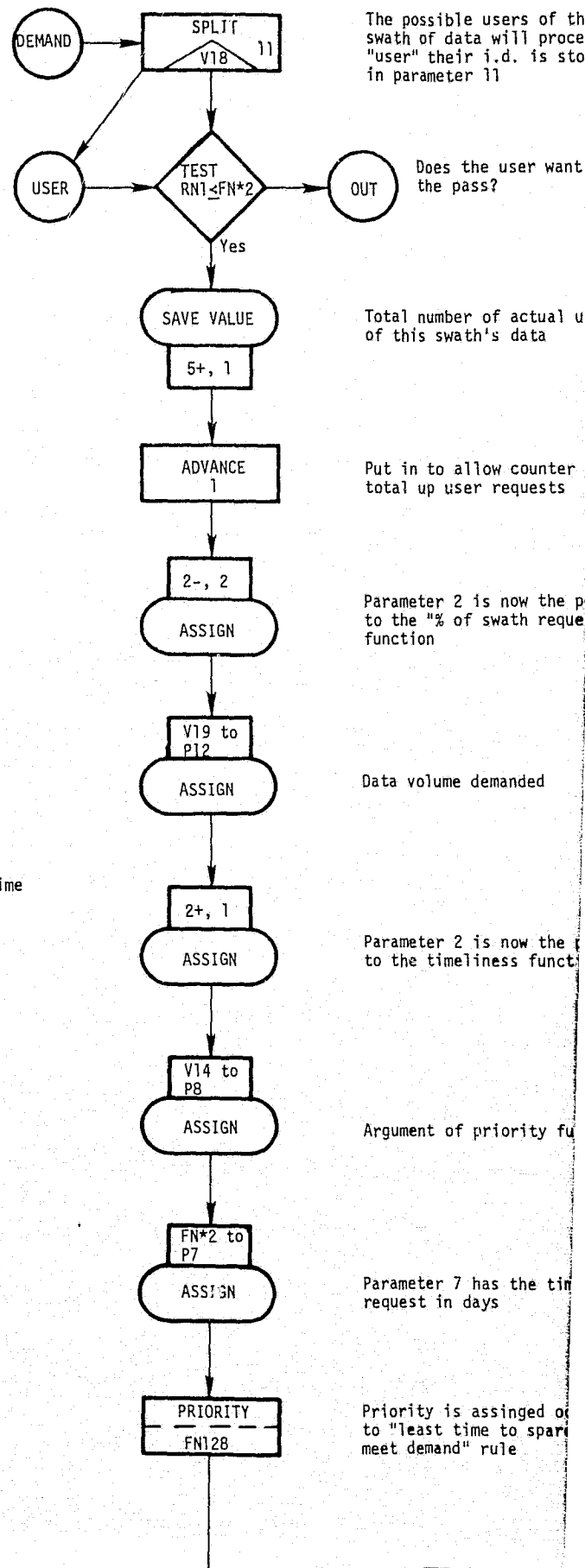
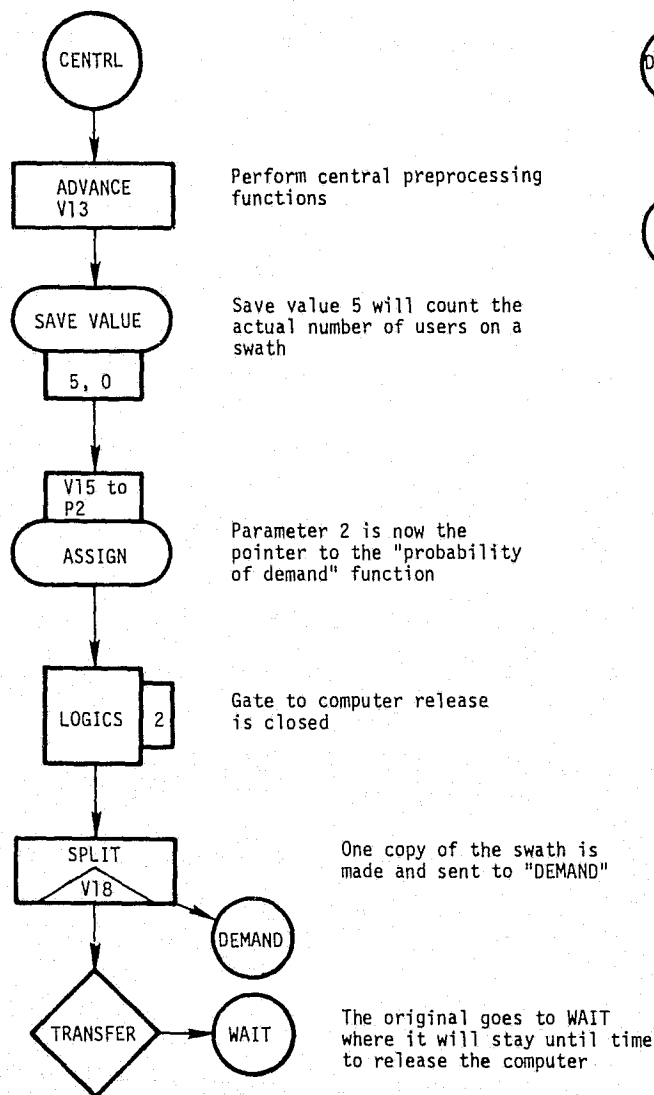
Parameter 6 = $\begin{cases} 0 & \text{if orbit does not pass} \\ & \text{over CONUS or Alaska} \\ n & (n = 1, 2, 3 \text{ or } 4) \text{ "if contact} \\ & \text{of satellite with orbit} \\ & \text{over CONUS or Alaska is} \\ & \text{with region station } n \end{cases}$

If over U.S. continue,
otherwise, go to
terminator sequence

Indicates number of passes
this satellite has made over
CONUS since orbit cycle began

Parameter 3 indicates which
swath of data this is





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The possible users of this swath of data will proceed to "user" their i.d. is stored in parameter 11

OUT

Does the user want data on the pass?

Total number of actual users of this swath's data

Put in to allow counter to total up user requests

Parameter 2 is now the pointer to the "% of swath requested" function

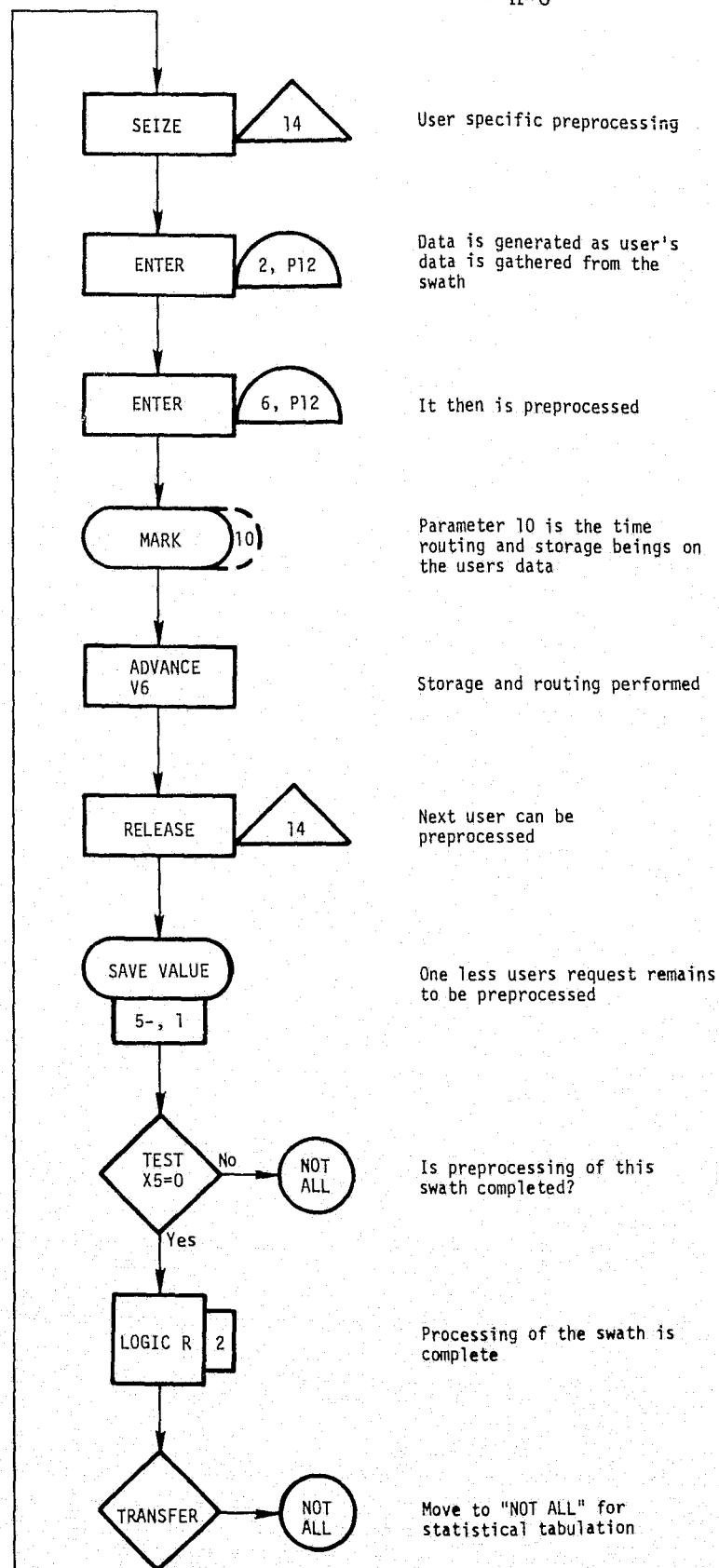
Data volume demanded

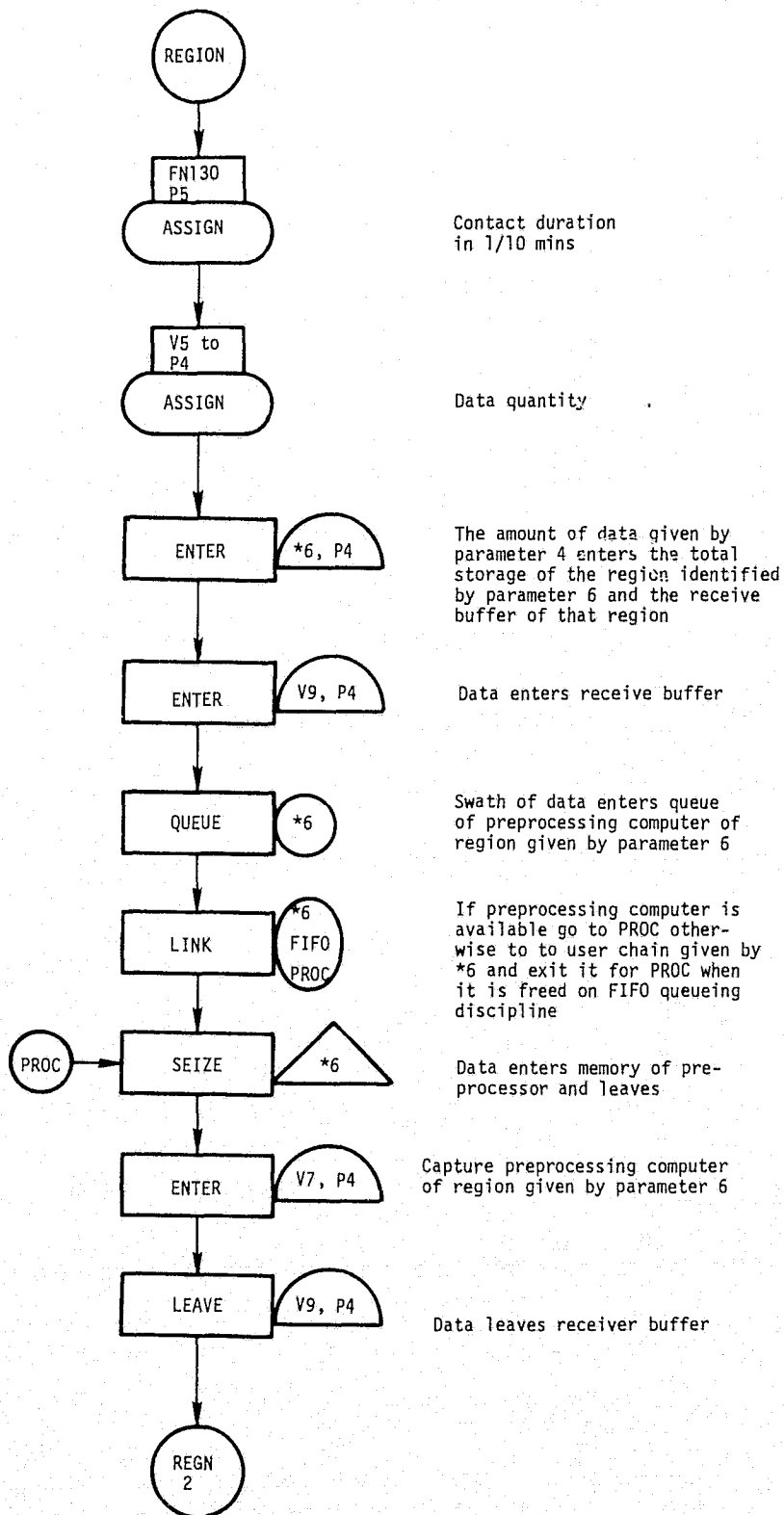
Parameter 2 is now the pointer to the timeliness function

Argument of priority function

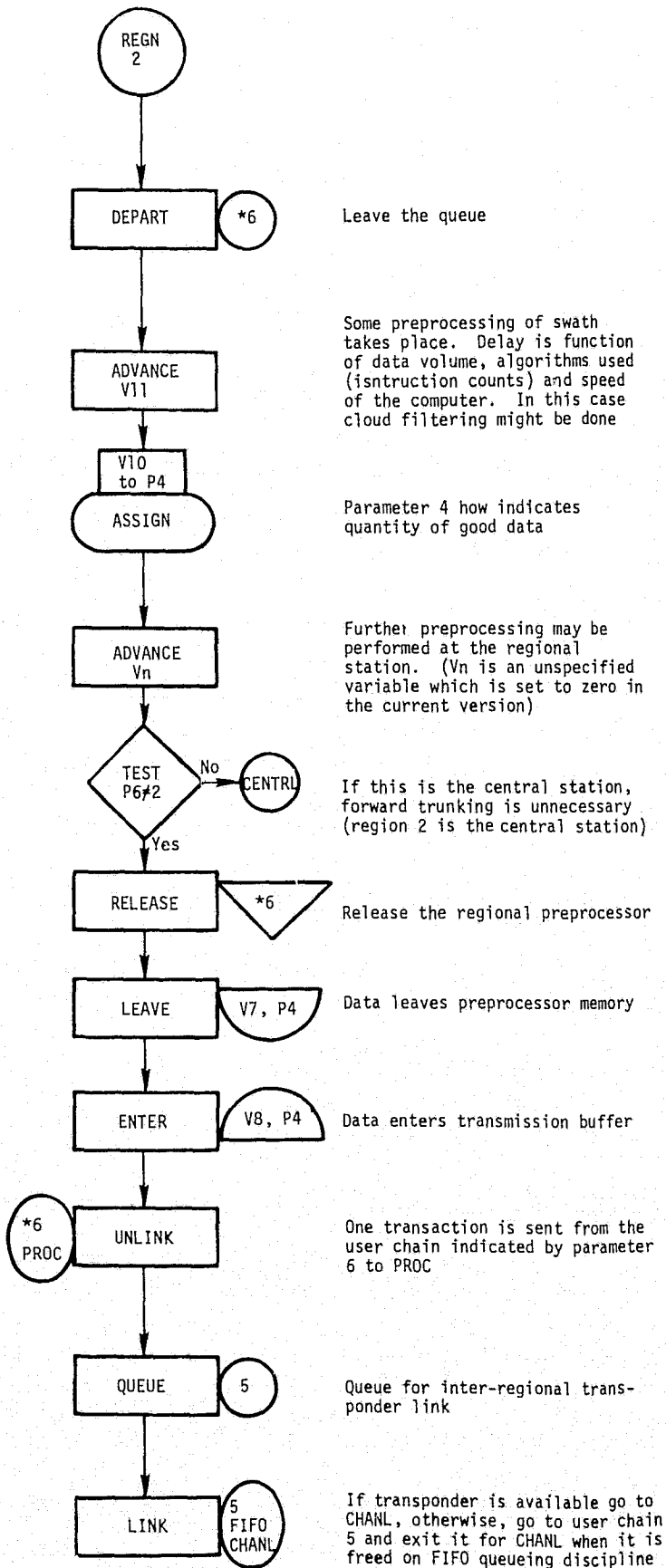
Parameter 7 has the timeliness request in days

Priority is assigned according to "least time to spare to meet demand" rule





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APPENDIX I
CALCULATIONS OF ANNUAL COST SAVINGS
WITH DATA COMPRESSION IN NETWORK #5

Let,

$Y = AR$ be the annual satellite lease charges for a trunking link that will support R Mbps, when A is the annual charge per megabit.

$Z = a(n,i)C$ be the annual (amortized) cost of the data compression equipment where C is the initial equipment cost (including installation) and $a(n,i)$ is the amortization factor -- equipment lifetime of n years, interest rate i .

4:1 Compression ratio

The rate-dependent data transmission cost per year, H , is then,

$$H_{nc} = AR_{nc} \quad \text{No data compression}$$

$$H_c = AR_c + Z$$

To find the annual savings, S , from the use of data compression equipment,

$$S = H_{nc} - H_c = A(R_{nc} - R_c) - a(n,i)C$$

With a satellite lease charge of \$800K/year per 40-Mhz transponder and assuming cost is linear with bandwidth and required bandwidth is equal to R , then

$$A = \frac{1}{40} * \$800K = \$20K/yr$$

with $n = 7$ years and $i = 8\%$,

$$a(7,8) = 0.19207$$

By substitution

$$S = \$20K(R_{nc} - \frac{R_c}{4}) - 0.19207C$$

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With this equation and values of R_{nc} equal to 1.5 Mbps (30m/7-band data) and 23 Mbps (10m/12-band data), the entries in Table I-1 were determined. These entries are plotted in Figure 11-13.

Table I-1
Annual Savings With Data Compression

Equipment Cost, C (\$K)		25	50	100	117	200	500	1000	1500	1796
Annual Savings, S (\$K)	1.5 Mbps	18	13	3	0	-	-	-	-	-
	23 Mbps	340	335	326	323	307	249	153	57	0